CRYPTOLOGIA

COMPLETE INDEX
1977–1996
VOLUMES I–XX

TOPICAL INDEX

REVIEW INDEX

ILLUSTRATION INDEX

CRYPTOLOGIA

A Quarterly Journal Devoted to Cryptology

COMPLETE INDEX 1977–1996 VOLUMES I–XX

Table of Contents

Topical Index 1

Review Index 35

Illustration Index 65

All correspondence concerning subscriptions, advertising, and publications should be sent to the publisher at the Editorial Office, **CRYPTOLOGIA**, Department of Mathematical Sciences, United States Military Academy, West Point NY 10996-9902 USA.

Web site - http://www.dean.usma.edu/math/resource/pubs/cryptolo/index.htm

Email: ab3646@usma2.usma.edu FAX: 914-938-2409 Phone: 914-938-3200

See inside back cover for subscription information and Call for Papers.

Copyright 1996 as **CRYPTOLOGIA** at
United States Military Academy,
West Point NY 10996-9902 USA.

ISSN 0161 - 1194. Manufactured in the United States of America.

CRYPTOLOGIA TOPICAL INDEX – 1977-1996

NOTE ON TOPICAL INDEX

This is a selective cryptologic index of the first twenty years of *Cryptologia*, 1977-1996. It is selective in the sense that the names of several thousand people have appeared in *Cryptologia* during those twenty years. To index them all, or even every reference to those who do appear, would add unnecessarily to the bulk of the index. The criteria used to determine who are listed, and to what depth they are listed were: (1) prominence in the field of cryptology and (2) personal involvement in a cryptological endeavor.

Under the first criterion, for example, most military commanders have been omitted – Pershing, Patton, Arnold. Under the second criterion, not every reference to Winston Churchill is given (almost every piece dealing with Ultra mentions him as the recipient of the messages).

Citations are given by v(i) x-y , v for volume, i for issue, pages x through y.

- A -

A. B. Cryptograph (*See* Aktiebolaget Cryptograph)
A. B. Cryptoteknik 18(3) 205
Abwehr ciphers 7(2) 132-144
Acrostics 20(3) 226-241
Adams, Abigail 2(1) 78, 86
Adams, Franklin P. 2(2) 140
Adams, John 2(1) 77-78
Adcock, Frank 10(1) 50-59
Adelman, Len 7(1) 1-5
ADFG(V)X ciphers 2(3) 207-214 : 4(2) 65 : 9(1) 17
    cryptanalysis of 6(2) 122-125
Advancement of Learning, The 20(3) 229-230
Agoston, Pierre 20(4) 353
Air-amphibian operations, crypto systems for 8(2) 181-186
Aktiebolaget Cryptograph (*See* Crypto AG; Hagelin, Boris)
        2(3) 242-253 : 2(4) 338-348
    A-22 cryptograph 5(3) 175-183
    B-21 cryptograph 7(4) 333-346
Alberti, Leon Battista 19(3) 261 : 20(3) 247
Albright, Maj. Owen S. 13(4) 335-343

Alexander, Hugh 3(2) 67, 69-72 : 11(2) 75
Allen, F. W. 13(4) 332
America Calling, Inc. 2(4) 366-367
American Black Chamber, The 1(1) 33 : 2(2) 130-133 : 2(3) 202
: 6(2) 115, 117 : 8(4) 369 : 9(4) 348-350 : 12(2) 72, 82
: 13(4) 332-344 : 18(2) 81-127 : 19(4) 377-379
annotated 9(1) 1-37
AMSCO cipher 10(1) 23-33
Anstie, W. H. 5(1) 38
Arabic
cryptology 16(2) 97-126
language 16(2) 121-125
Argenti, Giovanni Batista 20(2) 97-98, 108
Argenti, Matteo 20(2) 97-98
Argentina 19(3) 221-223
Arlington Hall Station 9(4) 306-310 : 11(2) 67-68
Japanese codes and 19(2) 122ff
Armed Forces Security Agency (*See* National Security Agency, pre-history)
Armellini, Luigi 20(2) 105, 108-110
Arte of Shorte, Swifte and Secret Writing, The 20(3) 232
Aryabhata cipher 12(2) 113-117 : 15(3) 203-206
strengthening 13(2) 151-160
ASCII code 2(3) 220, 222-225, 230 : 2(4) 350-364
ATBASH2 encryption software 19(4) 395
Atlantic cable, encrypted traffic on 19(4) 321-348
August the Younger (*See* Selenus, Gustavus)
Australia
American cryptanalyst in 9(4) 337-340
Central [cryptanalytic] Bureau 9(4) 337-340; 19(2) 122ff
Austria, cryptographic activities of in World War One 20(1) 1-10
Austrian Succession, war of 19(2) 162-163
Authentication, personal (*See* Digital signatures) 8(1) 1-21
Autocryptograph 8(1) 78-92
Autokey cipher 3(3) 177-186 : 3(4) 220-231
one-time pad variant 20(4) 359-365
Autoscritcher [Enigma emulator] 19(2) 137-148

- B -

Babbage, Charles 9(1) 63-69 : 19(4) 389-390
Bacon, Anthony 20(3) 226, 232
Bacon, Francis 9(3) 241-242 : 19(4) 390
and Shakespeare controversy 19(1) 24-38 : 20(3) 223-241
biliteral cipher 1(1) 32 : 3(4) 236-241, 251 : 20(3) 230
Bahadur's theorem 1(3) 247-248
Ballen, Duran 19(3) 222

Barbier, Nicholas-Marie-Charles 19(2) 151-152
Barluzzi, Camillo 20(2) 114, 118
Bazeries, Étienne 1(1) 5
cipher device (*See* Multiplex systems) 5(4) 193-208 : 19(4) 385-391
Beale ciphers 3(1) 9-15 : 4(1) 48 : 4(2) 116-119 : 6(4) 378-382 : 7(4) 300 : 12(1) 11-20 : 12(4) 241-246
message number two 17(3) 305-317
Beardall, RAdm John 16(4) 305ff
Beaufort cipher 2(2) 161-163 : 3(2) 119 : 4(1) 27-29 : 12(4) 247-255 : 14(2) 130-131
Before the Curtain Falls 2(3) 204
Belaso, Giovani Batista 20(3) 240; 248
Bell Telephone Laboratories 20(2) 155-163
Benedict XV, Pope 20(1) 6
Benson, Robert (Lou) 20(2) 137
Berlin, fall of, World War II 13(3) 193-209
Bernetti, Col. Tommaso 20(2) 109
Bernstein, Barton 20(2) 136
Bianchi, Alessandro 20(2) 100
Bianchi, Msgr. Angelo 20(2) 116-117
Bibliander, Theodor 5(3) 151-153
Bidault, Georges 19(3) 224ff
Bidder, George Parker 20(4) 346
Bigelow, John 19(4) 321-336
Birch, Frank 10(1) 50-59 : 20(3) 198
"Birthday" methods for population estimation 18(2) 155-190
Blank, Theodor 20(3) 210
Bletchley Park (*See* Government Code and Cypher School; Ultra) 3(2) 65-77 : 11(2) 65-77 : 11(3) 129-141 : 12(1) 52-58
assessment of German intelligence on Operation Torch 13(2) 135-142
Cobra device at 20(4) 289-307
"counterfactual history" 20(4) 308-324
Eastcote outstation 20(4) 289-307
receives Purple machine 20(3) 196-201
vs. U-boat operations in WW II 19(1) 81-96
Block ciphers (*See* Data Encryption Standard)
chosen-key attack 11(1) 16-28
mathematical word variation 12(4) 256-264
new electronic circuits, effect on 12(1) 21-24
nonlinear 11(2) 108-111
Post tag systems 12(1) 25-33
substitution-permutation 9(3) 193-201
Blue Book code, Japanese 15(1) 53-54
Boetzel, Gen. Friedrich 20(2) 142 : 20(3) 211, 216-219
Bolton cryptograph 10(1) 63-64

Bombe 1(4) 382, 385 : 3(2) 65, 68-69 : 4(3) 130-132 : 6(1) 17-18
9(4) 332-336 : 12(3) 180-181, 183
Bletchley Park use 20(4) 289-307
detailed description 14(4) 331-349
Polish 11(4) 229-230
Book ciphers (*See* Beale ciphers) 7(4) 297-314
Wehrmacht 19(3) 247-260
Boolean functions 11(3) 172-181
Brahmi script 14(2) 169-183
Braille, cryptologic origin of 19(2) 151-152
Breaking the Code 11(2) 81-84
Bridge, ciphers in game of 7(4) 327-332
Bright, Timothy 20(3) 232
British Telcom cipher 18(3) 268
Broadhurst, Sid 20(4) 290ff
Brown, Anthony Cave 3(2) 65
Bulletin board systems, computer 19(4) 394
Bundy, William P. 11(2) 65-77
Burke, Colin (Brad) 20(2) 138
Bush, Vannevar 17(2) 113ff
Bye, George T. 2(2) 139-143
Byrne, John, Jr. 14(3) 193-198
Byrne, John F. (*See* Chaocipher) 2(2) 124-128 : 3(3) 136-154 : 14(3) 193-198

- C -

Calculator cryptographs (*See also by manufacturer and model number*)
5(2) 94-117 : 6(4) 339-345
Callimahos, Lambros D. 1(4) 404-405 : 11(2) 67
Canada
Communications Security Establishment 16(1) 23-38
cryptanalysis in 16(1) 22-38
Yardley, H.O., activities in 18(2) 119
Candriani, Ricardo 20(2) 118
Capaccini, Francesco 20(2) 99-105, 108-112
Caroli, Msgr. Rudolfo 20(2) 123-124
Carroll, Lewis (*See* Dodgson, Charles L.)
Casanova 2(2) 161-163
Castle, William R. 13(4) 333
Cate, Phil 20(3) 194
Central [cryptanalytic] Bureau (*See* Australia, Central Bureau)
Ceretti, Msgr. Bonaventura 20(2) 122, 128-129
Challenge ciphers (*See* "Cryptanalysts Corner" in title index)
anonymous 2(2) 171
solution of 3(3) 83-95
Astle 1(4) 397-398

Cadbury 10(4) 225-226
solution of 11(2) 99-101
computer 2(2) 168-171
Detroit Free Press 2(4) 368-370
Dodgson, Charles L.
key vowel cipher 15(1) 23-24
matrix cipher 14(1) 36
telegraph cipher 14(2) 134
Enigma 20(4) 343
"Enigma-Cipher" 4(4) 238-239
Folger 7(1) 35-36
solution of 7(3) 218-234
HC-9 cryptograph 13(3) 251-265
solution of 14(2) 139-144 : 15(2) 175-176
key-vowel cipher 15(1) 23-24
Littlewood 3(2) 120-121
solution of 3(3) 172-176
Mackenzie 2(1) 91
Mauborgne, Joseph O. 17(2) 172-174
Mexican 8(1) 75-77
solution of 8(4) 368-369
musical #1 3(4) 193-201
solution of 4(2) 122
musical #2 6(2) 177-178
solution of 6(4) 282
Niagara cipher 14(2) 137-138
nineteenth-century 2(4) 334
solution of 4(1) 34-35
Poe 2(3) 244
solution of 1(4) 318-325
psychic 10(2) 108-109
solution of 10(4) 325-329
pulp-magazine 12(4) 240
Sherlockian 3(1) 54-56
solution of 3(2) 121 : 4(1) 41
shorthand 10(1) 60-62 : 10(2) 126-127
solution of 11(2) 93-98
steganographic 8(1) 54
solution of 8(1) 42
Thouless' post-mortem 10(2) 108-109
solution of 20(4) 325-329
Champollion, Jean-Francois 1(2) 102-104
Chaocipher 2(2) 124-128 : 3(3) 136-154 : 14(3) 193-198
Chaotic cryptosystems (*See* Random numbers) 13(1) 29-42 : 13(3) 243-250
drawbacks of 16(3) 226
escape from strange attractor 16(1) 52-72

problems with 15(4) 355-363
supercomputer study of 15(2) 140-152
Chandler, Bill 20(4) 290ff
Chavez, Bruno 20(2) 118
Chi tests 8(2) 132-141
Chiang Kai-Shek 2(2) 139, 141
Childs, J. Rives 2(3) 201-214 : 9(1) 7, 19, 23
Chinese language 9(4) 373-380
manual cryptosystems 13(4) 289-302
encrypting problem 14(2) 61-68
Churchill, Gen. Marlborough 13(4) 330-332
Riverbank correspondence, 1919 19(3) 236-246
Churchill, Winston
and cryptanalysis 6(1) 47-49
and Roosevelt, communications between 11(1) 40-46 : 13(2) 123-134
Churchyard ciphers 1(4) 372-375
Ciarcia Data Encryptor 12(1) 1-10
Cipher Box Mk I (1917), U.S. Navy 9(1) 40, 41
Cipher Bureau (*See* MI-8)
Cipher typewriter 15(1) 29-42
Ciphers (*See by name*)
designing high-security 20(3) 247-256
Clark, Harry Larry 6(3) 201, 209
Clarke, Col Carter W. 7(2) 119-128 : 16(4) 294ff
Clement XIV, Pope 20(2) 98
Cobra device at Bletchley Park 20(4) 289-307
Code Compiling Company, Inc. 13(4) 333-334
Code of Signals, Marryat's 16(2) 128ff
Code systems (*See* ASCII code; EBCDIC code) 2(1) 25-26
America Calling, Inc. 2(4) 366-367
American, in World War One 2(3) 205-206
cryptanalysis of 2(2) 104-106, 113-118
by Allies in World War Two 1(3) 209-222
German naval, in World War Two 3(4) 243-245
Japanese
J-letter 9(1) 26
JN-25 6(3) 220-223
World War Two 2(2) 114-115
Slidex RT 8(2) 163-171
Code-O-Graph cipher disks 5(2) 78-83
Codex cryptograph 11(2) 119
Cogent Systems CSI-10 cryptograph 7(1) 83-92
Collaredo, Frederick 20(4) 353
Collins CR-200/220 data security unit 5(1) 46-50
Colossi machines 1(4) 382 : 3(2) 65, 73-76 : 10(4) 240 : 20(4) 309ff
Combined cipher systems 2(1) 26

Communication
security (*See* Security, communication)
U.S. military, turn-of-the-century 8(3) 213
Communications Control Systems, Inc. 2(4) 391
Communications Security Establishment, Canadian 16(1) 23-38
Communist ciphers, early 20(4) 347-358
Computational linguistics 17(4) 321-366
Computers (*See* ASCII code; EBCDIC code)
and communication by the handicapped 1(4) 326-333
automatic plaintext recognition 17(4) 321-366
bulletin board systems 19(4) 394
Colossi 1(4) 382 : 3(2) 65, 73-76 : 10(4) 240
computational linguistics 17(4) 321-366
Cray X-MP/II 16(1) 28ff
cryptanalysis using (*See* Computers, program listings)
automated 17(4) 407-418 : 18(4) 332-355
of XOR plaintext strings 20(2) 165-181
commercial cipher systems 11(1) 1-15 : 11(4) 206-210
Hebern cryptograph 12(3) 144-158
MacLaren-Marsaglia system 8(2) 97-108
multiplex systems 2(2) 152-160
polyalphabetic ciphers 10(4) 193-209 : 11(4) 193-205 : 18(4) 332-355
random-stream cipher 2(3) 215-231
simple substitution 1(2) 116-142 : 15(4) 314-324 : 17(2) 202-218
security 1(4) 400-401
Vigenère cipher 11(2) 115-118
ENIAC 17(2) 117
graphical encryption 15(1) 43-46
cryptanalysis of 17(3) 301-304
Heath Robinson 1(4) 382 : 3(2) 73-74 : 12(1) 59
INMOS transputer 11(2) 109
program listings
AMSCO cryptanalysis (BASIC) 10(1) 30-33
ASCII encipherment (FORTRAN) 2(4) 361-364
Beaufort cryptanalysis (BASIC) 12(4) 249-253
Fortress cipher cryptanalysis (PASCAL) 12(3) 170-173
linear regression/correlation (BASIC) 10(4) 206
Lucifer system (FORTRAN) 8(1) 36-41
corrections to 8(3) 260-261
random-number encipherment (BASIC) 6(1) 34-37 : 6(2) 102-106
random-number encipherment (HP-67) 5(1) 102-110
simple substitution (BASIC) 8(4) 355-358
finding vowels in (BASIC) 10(1) 17-22
transposition cryptanalysis (BASIC) 5(4) 247-251
Typex emulation (PASCAL) 7(2) 164-165
Roterm cryptographic 7(4) 359-370

software protection for 8(2) 142-160 : 19(4) 393-396
UNIVAC 17(2) 117-118
U.S. Navy report on cryptanalytic uses 17(2) 124-147
Concealment ciphers 14(1) 53-60
Consalvi, Cardinal Ercole 20(2) 98, 106, 108, 110
Context-free grammar 16(3) 205ff : 19(3) 285-299
Coral Sea, battle of 7(2) 97-118
Cornwallis, Charles 1(4) 392-395
Cray X-MP/II supercomputer 16(1) 28ff
Cretoni, Msgr. Serafino 20(2) 115
Cromwellian era cipher message 4(1) 1-4
Crawford, David M. 4(1) 46
Crum, Michael 3(2) 72
Crypt cipher 11(1) 10-11
Cryptanalysis (*See* Beale ciphers; Challenge ciphers; Magic; Ultra)
ADFG(V)X ciphers 6(2) 122-125
Allied, in World War Two 1(3) 209-222
anecdotal history
Bombe 14(4) 366-369
NSA 14(1) 11-27
attack and defense 1(4) 366-370
Beaufort cipher 12(4) 247-255
Canadian 16(1) 23-28
chi tests 8(2) 132-141
Ciarcia Data Encryptor 12(1) 1-10
code systems 1(3) 209-222 : 2(2) 104-106, 113-118
computers in (*See* Computers, cryptanalysis using)
Crypt cipher 11(1) 10-11
Data Encryption Standard 15(3 177-193 : 16(2) 136-144 : 20(3) 272-273
two-round version 12(4) 309-219
"Decipher Puzzle" 14(3) 258-284
depth attacks 20(3) 251-253
diplomatic, in World War One 20(1) 1-10
electronic methods 20(3) 249-251
Enemy Codes and Their Solution 19(2) 166-197
Enigma cryptograph 1(3) 210-221 : 4(3) 129-132 : 4(4) 240-247 :
6(1) 1-18 : 10(3) 134-141 : 14(4) 331-349
ciphertext only solution 19(4) 405-413
entropy tests in 1(3) 235-254
European, of U.S. Naval Code F-3 13(4) 378-381
Fortress cipher 12(3) 165-173
genetic algorithms for 17(2) 187-201
comments on 18(2) 153-154
German
in World War Two 1(4) 378-380 : 2(1) 20-37 : 2(2) 101-121
NI cipher 20(1) 55-76

graphical encryption 17(3) 301-304
Gromark cipher 13(3) 273-282
Gronsfeld cipher 13(3) 273-282
Hagelin C-35 cryptograph 14(2) 162-168
Hagelin C-48 cryptograph 5(1) 27-32
Hagelin CD-57 cryptograph 2(1) 1-8
Hagelin M-209 cryptograph 14(2) 145-161
Hebern cryptograph 1(2) 167-185, 186-194 : 12(3) 144-158
Hill matrix cipher 5(1) 1-19 : 13(1) 1-28
homophonic cipher 14(3) 258-284
in poetry 4(2) 86-88
inadequacy of, and Pearl Harbor 15(4) 273-294
intelligence extracted from 7(4) 315-325
Italian, in World War One 20(1) 1-10
Japanese Army Administrative Code 18(3) 193-203
kappa test in 1(3) 223-231
knapsack ciphers 17(4) 367-377
comments on 18(2) 153-154
MacLaren-Marsaglia systems 8(2) 97-108 : 8(4) 374-378 : 9(2) 114-130
mathematical and mechanical methods 2(1) 20-37 : 2(2) 101-121
multiplex systems 1(1) 4-16 : 1(2) 150-165 : 2(2) 118-119, 152-160 : 3(1) 16-26
N-Code cipher 11(1) 11-14
origins 20(3) 238-239
Padlock cipher 11(1) 6-8
pattern-word matching 9(1) 55-61
periodic ciphers, finding keylength in 12(4) 220-224
polyalphabetic ciphers 10(4) 193-209
product ciphers 13(4) 303-326
PS3 cipher 11(1) 8-10
public-key systems 2(1) 62-65
random number ciphers (*See* Random numbers, cryptanalysis of; solution of generator)
seventeenth-century letter 17(4) 395-402
simple substitution 1(2) 116-142 : 1(3) 243-244 : 4(2) 109-115 : 19(3) 265-274
finding vowels in 8(4) 348-358 : 15(3) 258-262
improvement to 10(1) 10-22
spelling checkers, use of 11(2) 115-118
statistical techniques for 17(4) 321-366
stream ciphers 14(3) 285-288 : 18(1) 25-40
substitution-permutation networks 20(3) 258-274
Superkey cipher 11(1) 4-6
transposition ciphers 2(4) 335-337 : 5(4) 247-251
trigraph cipher 9(3) 202-222
Typex cryptograph 7(2) 156-162
unicity distance in 1(1) 46-68 : 1(3) 235-254

unknown systems 2(1) 69-74
Vigenère cipher 1(3) 242 : 11(2) 115-118
WordPerfect cipher 11(4) 206-210
version 5.0 15(1) 57-66
XOR plaintext strings 20(2) 165-181
Cryptex Corp. TRS-80 cryptograph 4(3) 181-183
Crypto AG (*See* Aktiebolaget Cryptograph; Hagelin, Boris) 2(3) 242 : 2(4) 238 : 18(3) 204-242
Cryptographer Type C-52 cryptograph 3(2) 78-82
Cryptographs (*See by manufacturer, name or model number*)
Cryptography
Arabic origins of 16(2) 97-126
bridge games, used in 7(4) 327-332
commercial standards for 4(4) 213-224
military standards for 15(3) 247-257
public (*See* National Security Agency and nongovernmental cryptography)
House Report on 5(2) 84-93
study group on 5(3) 128-142, 143-148
theory of 3(4) 246-247 : 5(1) 59-62 : 6(2) 108-111
Cryptologia
tenth anniversary of 10(1) 1
why? 1(1) 1-3
why not? 1(4) 311
Cryptology (*See* particular topic)
15th and 16th century 20(3) 223-241
as a career 2(2) 164-166
heraldry of 8(4) 289-301 : 9(4) 303-304 : 13(1) 79-84
law and 8(3) 246-248 : 8(4) 326-331 : 9(3) 273-284 : 9(4) 348-350 : 10(2) 101-109 : 10(3) 129-133 : 10(4) 248-253
Cryptomatic series cryptographs 4(1) 5-14
Cryptomenytices et Cryptographiae libri IX 7(3) 198-212 : 20(3) 233
CSP 488 cryptograph 8(3) 214 : 19(4) 390
CSP 493 cryptograph 19(4) 390
CSP 889 cryptograph (*See* M-134 cryptograph)
CSP 903 cryptograph (*See* Hebern cryptograph)
CSP 1756 cryptograph 8(3) 223
Currier, Prescott 20(3) 193-201
Cyclometer 6(1) 12-15

- D -

D'Agapayeff cipher 2(2) 144-147
Dahlerus, Birger 2(1) 16
Damm, Arvid G. 2(3) 242 : 2(4) 238 : 18(3) 205ff; 243-249
Danby, Earl of 17(4) 395-402
D'Annunzio, Gabrielle 20(4) 355
Data compression codes 1(4) 367 : 3(4) 202-205 : 16(3) 193-214

Data Encryption Standard (*See* Block ciphers) 1(3) 281-291, 292-306 :
1(4) 369, 396-397, 401 : 3(3) 131, 132-133 :
4(3) 133, 135, 137, 138 : 10(3) 149-151 : 11(2) 109-110
cryptanalysis of two-round version 12(4) 209-219
cryptanalytic attacks on 15(3) 177-193
development of 2(4) 371-387
digital signatures in 7(3) 257-273
Federal Standards 4(4) 215-218
financial institution use 15(3) 177-193
Huffman coding in 12(2) 107-112
implementation on Collins CR-200/220 5(1) 46-50
key-search attack, foiling 11(2) 102-107
known-plaintext attack, foiling 10(4) 217-223
"new cryptographic method" 10(2) 123-125
NEWDES variation 9(1) 75-90 : 14(3) 217-223
simplified algorithm 20(1) 77-84
testing an enhanced 12(4) 193-208
trapdoors, search for 12(4) 195
Users Group (DESUG) 11(2) 112-114
vs. Post tag systems 12(1) 25-33
Data Lock software 19(4) 395
Datotek DH-26 cryptograph 2(2) 172-177
Davies, Sir John 20(3) 227
"Decipher Puzzle, the" 14(3) 258-284
Dee, John 2(4) 382 : 20(3) 224
Deeley, Walter G. 11(3) 164-165
Defense Intelligence Agency 9(4) 310
De furtivis literarum notis 20(3) 225-226
Delastelle cipher 7(2) 170-179 : 8(3) 276-277
Della Somaglia, Col. Giulio 20(2) 109
Dénes, Jósef 20(3) 245
Denniston, Alastair 10(1) 50-59 : 20(3) 196
Denniston, Alfred 3(2) 66
DES (*See* Data Encryption Standard)
DESQIK algorithm 4(3) 133
Dettmann, Lt. Col. Alexis 20(3) 205, 208-209, 211, 216-219
Deutsches Museum, Munich 20(1) 11-13
Dewey, Thomas E. 7(2) 119-128 : 7(4) 320-321
DeYaub cipher 19(3) 226-237
Dictionnaire Abrèviatif Chiffré 19(3) 261-264
Diffie, Whitfield 1(2) 312 : 11(3) 163
Digital signatures (*See* Authentication, personal; Public key
systems, digital signatures in) 6(4) 329-338 : 7(2) 183-186
DES-generated 7(3) 257-273
one-way hash functions 17(3) 285-300
quadratic residue 19(4) 397-404

Disk cryptograph 1(1) 69-75 : 4(2) 98-99
Bolton 10(1) 63-64
unknown, an 8(2) 187-190
"Dockyard key" cipher 19(4) 349-364 : 20(4) 334ff
Documents Secrets de la Propagande Bolsheviste 20(4) 348
Dodgson, Charles L.
key-vowel cipher 15(1) 18-23
matrix cipher 14(1) 28-36
telegraph cipher 14(2) 131-134
Doerris, Reinhard 20(3) 203
Doppelkastenschlüssel cipher 11(1) 34-36
Dot cipher 1(3) 261-274
Douglas, Lloyd C., challenge cipher 2(4) 385
Drazin inverse 4(2) 71-85 : 4(3) 150-168 : 5(2) 78-83 : 5(4) 193-208
Drea, Edward 20(2) 136
Driscoll, Agnes Meyer 15(1) 47-56 : 15(4) 275-276 : 20(3) 194
Dynamic substitution cipher 14(4) 289-303

- E -

Eachus, Joseph 20(3) 198
EBCDIC code 2(3) 220-222, 230
ECM cryptograph (*See* SIGABA cryptograph)
Ecuador 19(3) 222-223
Eduard, Leo 20(3) 209
Education, cryptologic
at Colorado School of Mines 1(4) 362-363
at Kean College of N.J. 2(2) 134-138 : 11(1) 47-50
at St. Peter's College 3(3) 161-165
at U. of Massachusetts 2(3) 236-237
at U. of Melbourne 2(1) 9-11
at U. of Richmond 13(1) 50-60
at U. of Tennessee 1(4) 363-365
El Alamein, battle of 20(4) 317; 323
Electro-Crypto Model B1 cryptograph 2(4) 345-348
Electronic Code Book (*See* Datotek DH-26 cryptograph)
Elementary Cryptanalysis, Problem 166 10(2) 75-95 : 10(3) 158-183
Embassies and Foreign Courts 3(3) 158-165
Encryption, market for 4(1) 42-44
Enemy Codes and Their Solution 19(2) 166-197
Engstrom, Howard 17(2) 114ff
Enigma cryptograph (*See* Ultra; Bletchley Park) 1(2) 167, 168 : 1(3) 209-222
6(1) 32-33 : 7(2) 145-165 : 8(3) 220-221
and German Naval grid 16(1) 39-51
Bombe solution of 14(4) 331-349
chronology of evolution 17(3) 237-246
comment on 19(4) 375-376

Cobra device attack on 20(4) 289-307
cryptanalysis, ct only 19(4) 405-413
comment on 20(4) 342-345
double encipherment, dropping of 10(3) 134-141
emulation by "scritchers" 19(2) 137-148
four-rotor 9(1) 45, 47
history of 1(4) 381-391
Japanese 9(1) 47, 49
Kriegsmarine signal indicators 20(4) 330-340
mathematical analysis of 19(1) 65-80
mathematical solution of 6(1) 1-18
naval 3(2) 69 : 4(3) 132 : 11(4) 235-244 : 12(2) 98-106
on U.S. commemorative stamp 18(3) 250-252
photo essay 7(4) 291-296
Safford's views of 14(3) 253-257
Uhr device for 9(1) 47, 48
Enochian language 2(4) 382
Entropy 3(4) 233-235 : 9(2) 170-171
Error detection and correction 2(1) 35-37 : 6(2) 128-153 : 6(3) 258-278
Erzberger, Matthias 20(2) 121
Europe, information security in 12(4) 234-239
Evangelisti, Filippo 20(2) 98, 107, 111
Evangelisti, Giuseppe 20(2) 98, 107, 111
Even-weight codes 6(2) 133
Ewing, Sir Alfred 16(4) 321ff : 18(1) 59-60

- F -

Fabyan, George 2(3) 203 : 2(4) 326-330 : 8(1) 65 : 9(3) 240-246 : 13(4) 329-330 : 17(1) 80ff
and Bacon-Shakespeare controversy 19(1) 24-38
Riverbank correspondence, 1919 19(3) 236-246
Factorization 20(3) 243-245
Fage, Mary 20(3) 227
Fake message, German 18(2) 150-152
Fames Roule 20(3) 227
Farago, Ladislas 2(2) 139 : 13(4) 355
Faurer, Lincoln D. 5(4) 212
Federal Reserve Banks (*See* FEDNET)
FEDNET 2(2) 187 : 2(4) 389
Feistel ciphers *See* Data Encryption Standard; Lucifer system) 10(3) 142-156
Fenner, Wilhelm 20(2) 142 : 20(3) 208, 209-210, 214
Ferdinand Maximilian, Archduke 19(4) 329-331
Fermat, Pierre de 20(3) 245
Ferrata, Msgr. Domenico 20(2) 115

Field, Cyrus W. 19(4) 328-348
Finger ciphers 4(3) 140-149
Fish, Hamilton 19(4) 345-346
"Fish" cryptographs 10(4) 236-237 : 20(4) 310ff
Flesch, Col. Herbert 20(3) 209, 211, 213-214
Fletcher, Frank Jack 7(2) 97-118
Flicke, Wilhelm 20(3) 208, 209
Flowers, T. H. 3(2) 73 : 20(4) 290ff
Forschungsamt 2(1) 12-19 : 4(2) 66
France
  and Enigma 11(4) 231-233
  and United Nations 19(3) 224ff
  cryptographic activity 1914-1918 18(1) 53-55 : 20(1) 1-10
  occupation of Mexico 19(4) 329-348
Franchi, Msgr. Alessandro 20(2) 115
Frassenelli, Msgr. Filippo 20(2) 114
Fraternal ciphers 7(1) 27-36
Friedman, Elizebeth 2(3) 202-203 : 2(4) 325 : 17(1) 85ff
  pictorial essay 16(3) 257-264
Friedman, William F. 15(4) 278-294
  and 849th Signal Intelligence Service 11(1) 34
  and *American Black Chamber* 2(2) 130 : 12(2) 72
  and book cipher 7(4) 304
  and Chaocipher 2(2) 124 : 14(3) 193, 196
  and J. Rives Childs 2(3) 202-203
  and index of coincidence 2(3) 219
  and kappa test 1(3) 223
  and Signal Intelligence Service 15(3) 263-272
  and Solomon Kullback 8(4) 338-339
  and M-325 cryptograph 1(2) 143-149
  and Purple/Magic 6(3) 197, 205, 206, 209, 215 : 6(4) 347-348, 353, 359
  and Riverbank Laboratories 9(3) 240-246 : 17(1) 85ff
  and Riverbank Publications 2(4) 325-330
  and Abraham Sinkov 8(4) 338-339
  and strip cipher 1(1) 5, 8
  and transposition ciphers 2(4) 336-337
  and Voynich manuscript 19(1) 1-23
  and "wheel cipher" 19(4) 385-391
  and Herbert O. Yardley 13(4) 327-331; 343-344
  Callimahos's recollections of 15(3) 219-236
  collection 2(2) 130-131 : 6(4) 379 : 9(1) 1
  in Baconian cipher photo 3(4) 236-240
  memories of 4(1) 23-26, 45-50
  MI-8 comments on 62-74
  patents of 2(1) 38-61
  pictorial essay 16(3) 257-264

standards for military cryptosystems 15(3) 247-257
Riverbank correspondence, 1919 19(3) 236-246
Shakespearean Ciphers Examined, The 20(2) 159-161 : 20(3) 227
cipher message in 20(2) 159-161
Fuer GOD ciphers 2(3) 206-207

- G-

G.2 A.6 2(3) 201-214
Gall, Ursula 20(3) 209
Gallup, Elizabeth Wells 9(3) 240-241, 245 : 17(1) 85
Galois fields 4(3) 184-188
knapsack ciphers using 8(4) 343-347
permutation polynomials 11(4) 211-218
Gazala, battle of 20(4) 317
GC&CS (*See* Great Britain, Government Code and Cypher School)
Geheimschreibern (*See* Siemens & Halske T52 series cryptographs)
Gehlen, Reinhard 20(2) 142 : 20(3) 202-216
Genetic algorithms 17(2) 187-201
comments on 18(2) 153-154
use with homophonic ciphers 17(1) 45-54
use with knapsack ciphers 17(4) 367-377
use with simple substitution ciphers 17(1) 31-44
Genetic code 4(1) 15-19 : 17(1) 48-53
Geneva Management Group 7(2) 187-190
George, David Lloyd 20(1) 6
Germany (*See* particular topic)
Bundeswehr 20(2) 141-142 : 20(3) 202-222
ciphers
Doppelkastenschlüssel 20(1) 55-76
Reihenschieber 20(2) 141-153
Wehrmacht book 19(3) 247-260
Werftschlüssel 19(4) 348-364 : 20(1) 37-54 : 20(4) 334ff
Wetterkurzschlüssel 20(4) 336-339
World War One 2(3) 206-214
World War Two 11(1) 29-39
consular cipher 3(2) 119
cryptanalytic operations, World War Two 1(4) 378-380 : 2(1) 20-37 : 2(2) 101-121 : 6(1) 26-31
fake message sent by 18(2) 150-153
Forschungsamt 2(1) 12-19 : 4(2) 66
intelligence organizations, post-Cold War 20(3) 202-222
intelligence used against, World War Two 7(4) 321-325
Kriegsmarine signal indicators 20(4) 330-340
naval codes
World War One 4(4) 196-203
World War Two 3(4) 243-245 : 13(3) 193-209

Naval Grid in World War Two 16(1) 39-51
radio intelligence activity 1914-1918 18(1) 55-56; 68-79
Sicherheitsdienst 2(4) 230
spy cryptograms 5(2) 65-66
Ghormley, Robert L. 6(3) 208-212 : 6(4) 346-348
Gibbons, Col. James 20(2) 122
Gigante, Riccardo 20(4) 354-355
Godfrey, Charles 5(1) 38
Godwin, Bishop Francis 20(3) 230-231
Golt, Giuseppe 20(2) 99, 107, 111
Good, I. J. 3(2) 65-77
Goppa codes 6(2) 136-137 : 6(3) 272-273
Graphical encryption of computer data 15(1) 43-46
cryptanalysis 17(3) 301-304
Great Britain (*See* particular topic)
and United Nations 19(3) 224ff
cryptanalytic cooperation with U.S. in World War Two 13(2) 123-134
cryptographic operations, World War One 16(4) 320-326 : 18(1) 56-60; 63-67
Government Code and Cypher School (*See* Room 40) 3(3) 65-77 : 10(1) 50-59 : 11(2) 65-77 : 11(4) 219-226 : 12(1) 52-58 : 12(2) 90-97 : 13(2) 118-122
intelligence operations in World War Two (*See* Room 40) 6(1) 75-83 : 14(1) 1-10
post-war organization 12(3) 174-177
prisoner-of-war cipher 14(1) 53-60
Royal Navy cryptographic operations 14(2) 97-127
Grille cipher 1(2) 195-200 : 4(2) 100-101
Dutch Stadtholders 19(2) 153-165
Rochford's 16(4) 347-362
Gripenstierna, Baron Fridric 19(4) 390
Gromark cipher 13(3) 273-282 : 20(3) 254-255
Gronsfeld cipher (13(3) 273-282
Grotjan, Genevieve 15(4) 282ff

- H -

Hagelin, Boris (*See* Aktiebolaget Cryptograph; Crypto AG) 2(3) 242 : 2(4) 338 : 7(4) 333
A-22 cryptograph 2(3) 242 : 2(4) 238
B-13 cryptograph 2(3) 242 : 2(3) 238
B-21 cryptograph 2(3) 242 : 2(4) 238
C-35 cryptograph 12(4) 247-255
cryptanalysis 14(2) 162-168
C-38 cryptograph 14(2) 104-126
C-48 cryptograph 5(1) 27-32
C-52 cryptograph 3(2) 78-82

cage cryptograph (*See* M-209 cryptograph)
CD-57 cryptograph 1(3) 255-260
Electro-Crypto Model B1 cryptograph 2(4) 345-348
Mecano-Crypto Model 1 cryptograph 2(4) 341-344
survey of cryptographs 18(3) 204-242
Hanczok, C. (Kálmán) 20(4) 354
Hanyok, Robert 20(2) 137
Harrapan civilization 20(3) 275-279
Hash functions, one-way 17(3) 285-300
Haswell, John 19(4) 333
Hay, Ian 2(3) 206
Hamming codes 6(2) 134-136
Harriman, Averill 19(3) 232
HC-9 cryptograph 13(3) 251-265
Heath Robinson machines 1(4) 382 : 3(2) 73-74 : 12(1) 59
Hebern, Edward H. 15(1) 50
cryptograph 20(2) 182
cryptograph 1(2) 167-185, 186-194 : 6(2) 108-114 : 8(3) 218-219
cryptanalysis of 2(1) 1-8 : 12(3) 144-158
Heideking, Jürgen 20(3) 203
Heitmann, Jan 20(3) 203
Hellman, Martin 1(4) 312 : 2(4) 372, 374 : 7(1) 1-5 : 11(3) 163
-Merkle system 6(3) 279-281
time-memory trade-off 6(2) 108-114
Helmich, Joseph George 6(3) 283-284
Hepp, Gen. Leo 20(3) 209
Heraldry, cryptologic 8(4) 289-301 : 9(4) 303-304 : 13(1) 79-84
Hewlett Packard HP-67/97 calculator 3(1) 43-50 : 4(1) 51-53
Hieroglyphics
Egyptian 1(2) 101-105
Mayan 1(2) 106-115
Hiles, Charles C. 6(3) 193-194 : 6(4) 348
Hill matrix system 9(2) 131, 132, 134, 135
"Belkoranic" ciphering 13(1) 43-49
Drazin inverse in 4(2) 71-85 : 4(3) 150-168 : 5(2) 78-83
graphic solution 5(1) 1-19
infinite matrices in 7(1) 63-78
nonlinear autokey version 18(1) 41-51
tensor-theoretic enhancement 14(3) 225-233
two-message problem 17(1) 1-30
unknown cipher alphabet, known plaintext 13(1) 1-28
Hilton, Peter J. 3(2) 72-73
Hindenburg, C.F. 19(2) 158
Hinsley, Harry 3(2) 66, 75
Hisao, Iwashima 19(2) 113-114
Hitt, Parker 4(1) 47 : 19(4) 390

and *American Black Chamber* 2(2) 130
and Chaocipher 2(2) 124
and J. Rives Childs 2(3) 205-206
and "Hitt's Manual" 2(3) 202
and MI-8 8(3) 63-74
and multiplex systems 5(4) 197-198
and strip cipher 1(1) 5
HK prisoner-of-war cipher 14(1) 53-60
Höhne, Heinz 20(3) 202
Hole's cryptograph 8(2) 115-125
Holland, eighteenth-century 17(3) 225-236
Homophonic ciphers (*See* Beale cipher) 5(4) 231-242 : 10(2) 75-95 : 10(3) 158-183 : 14(3) 258-284 : 16(3) 201ff
algorithmic solution 17(2) 148-165
Dutch eighteenth-century example 17(2) 225-236
second-order 12(1) 11-20
Hooper, Stanford C. 11(3) 156-159
Hoover, J. Edgar, and Herbert O. Yardley 13(4) 348-352
Hopkins, Harry 16(4) 306 : 19(3) 232
Hopkinson, Bertram 5(1) 38
Huffman coding 1(4) 367 : 3(4) 202-205 : 12(2) 107-112 : 16(3) 193-214; 227-234
Hughes, Charles Evans 18(2) 85; 103
Hungarian ciphers 20(4) 347-358
Hunt, Wilson 19(4) 324-329
Hurt, John B. 4(1) 46-47
Hüttenhain, Erich 1(4) 337 : 20(2) 142 : 20(3) 208, 209, 214
Hymns to Astraea 20(3) 227

- I -

Inclusion-exclusion principle 17(1) 63-79
Index of coincidence 2(3) 219-220 : 2(4) 328-330 : 20(3) 251-253
in Gromark and Gronsfeld ciphers 13(3) 273-282
use in finding period 12(4) 220-224
Indirect encryption 4(3) 133-139
Indus script 11(3) 182-191 : 12(3) 129-143 : 14(2) 169-183
Indus-Sarasvati 20(3) 275-279
Information theory 9(2) 167-175 : 9(4) 351-359
IEEE Intl. Symposium on 1(4) 312-325
Inman, Bobby R. 2(4) 390 : 5(1) 24-25
Intelligence
cryptanalytic 7(4) 315-425
radio 7(2) 97-118
1931 Navy survey of U.S. and European 18(1) 52-79
Russian naval, origins of 8(3) 193-202
Internet, cryptology on 19(4) 392-396

Italy
cryptographic activity in World War One 20(1) 1-10
naval cryptographic service of 14(2) 97-127
use of Hagelin C-38 20(4) 311ff

- J -

J-19 decryptor 6(3) 204, 206
J-letter codes, Japanese 9(1) 26 : 15(1) 55-56 : 15(4) 285ff; 296ff
Japan (*See* particular topic)
Army Administrative Code 18(3) 193-203
Army codes and ciphers
security of 19(2) 113-136
partial list of 19(2) 135-136
Army General Purpose Code Book 19(2) 115 ff
Blue Book code 15(1) 53-54
codes and ciphers of (*See* by name) 2:2 114-115 : 9(1) 26 : 14(4) 304-330
commercial, 1940s 19(4) 380-384
pre-Pearl Harbor 15(4) 273-294
purloined 17(3) 283-284
intelligence used against, World War Two 7(4) 316-321
military police cipher 19(2) 125
Yardley, H.O., activities concerning 18(2) 81-127
Japanese Diplomatic Secrets 6(2) 115-119 : 18(2) 81-127
Jargon code 20(2) 128-130
Jefferson cipher device (*See* Multiplex systems) 5(4) 193-208
but maybe it's not his 19(4) 385-391
Jevons' number 20(3) 243-245
JN-25 fleet code, Japanese 6(3) 220-223
Johnson, Pres. Andrew 19(4) 329ff
Johnson, Tom 20(2) 139

- K -

Kahn, David 20(2) 137-138
Kappa test 1(3) 223-231
Kasiski, Maj. Friedrich W. 20(3) 251
Kazuo, Maj. Kamaga 19(2) 113
Key-dependent degeneracy, use in cryptanalysis 20(3) 258-274
Key generation, nonlinear (*See* Random numbers) 14(4) 350-354
KGB cipher 14(1) 37-52
Kircher, Athanasius 7(3) 202, 209
KL-7 cryptograph 6(3) 283-284
Knapsack ciphers 6(3) 267-273 : 8(4) 343-347
combinatorial optimization in 20(1) 85-93
cryptanalysis 17(4) 367-377
comments on 18(2) 153-154

Korn, Willi 1(4) 386
Knox, Dilwyn 4(3) 130 : 12(3) 179
Kramer LtCmdr Alwin D. 16(4) 304f
Kretschmer, Col. Hans 20(3) 211
Krieger, Wolfgang 20(3) 203
Kryha
  cryptograph 9(1) 42, 43
  Lilliput cryptograph 9(3) 252-261
KSX system 10(3) 152-154
Ku Klux Klan cipher 13(3) 210-214
Kullback, Solomon 4(1) 46-48 : 6(3) 219 : 6(4) 379 : 8(2) 132 : 8(4) 337-342
  obituary 19(2) 149-150
Kun, Bela 20(4) 347-358

- L -

Lacida cryptograph 16(1) 73-80
Landig, Glenn S. 15(4) 282
Langie, André 3(2) 100-104
Language recognition, automatic 17(4) 321-366 : 18(4) 289-331
Latin language, Swift's parody of 16(4) 327-338
Law and cryptology 8(3) 246-248 : 8(4) 326-331 : 9(3) 273-284 :
  9(4) 348-350 : 10(2) 101-109 : 10(3) 129-133 : 10(4) 248-253
Leardi, Paolo 20(2) 104
Lee, Bruce 20(2) 138
Lehmer, D. N. 20(3) 245
Leo XII, Pope 20(2) 105, 106
Leo XIII, Pope 20(2) 113
Lewis, Frank W. 14(1) 11-27 : 20(3) 203
Linder, Leslie 1(1) 17-18
Lindmark, C. D. 18(3) 206
Linear transformation cipher (*See* Hill matrix cipher)
Loehnis, Clive 20(3) 198
Lohr, Lenox R. 2(4) 325
Lorenz SZ 40/42 cryptographs 10(4) 238-239 : 12(1) 59-61 : 19(1) 39-61
Lovell, James 2(1) 75-78
Lucifer system 2(4) 373-375 : 8(1) 22-41 : 10(3) 149-151
Luther, Martin 3(3) 158-161

- M -

M2 cryptograph 11(2) 119
M9 cryptograph 11(2) 119-122
M-94 cryptograph (*See* Multiplex systems) 1(1) 13-14 : 1(2)
  150-156 : 5(4) 193-208 : 8(3) 214 : 19(4) 390
M-131-A cryptograph 11(3) 161
M-134 series cryptographs (*See* SIGABA cryptographs)
M-209 cryptograph 1(2) 167 : 1(3) 235-254 : 2(3) 267-289 : 8(3) 222
  cryptanalysis 14(2) 145-161

M-294 cryptograph 9(4) 311-315
MacArthur, Gen. Douglas A., and Australian Central Bureau 9(4) 337-340; 19(2) 122ff
Macbeth, J. C. H., test message 3(2) 100-104
MacDonald, Malcolm 20(3) 200
Macduff, Ewen 20(3) 230-233
Machine cipher systems (*See also by manufacturer, name or model number*) 2(1) 26-27 : 2(3) 242
MacLaren-Marsaglia systems 9(2) 114-130
  cryptanalysis 8(2) 97-108
    comments on 8(4) 374-378
Magic (*See* Purple machine) 4(1) 49 : 6(3) 195-228 : 13(3) 195
  and United Nations 19(3) 217-235
  Roosevelt's use of 16(4) 289-319
Mahoney, Terence 20(2) 136
Manly, John 2(2) 130-132 : 5(4) 199 : 8(1) 63-74 : 9(1) 21
Marchetti, Odoardo 20(1) 2
Marcus, Joyce 1(2) 107-115
Marryat, Capt. Frederick 16(2) 128ff
Marshall, George C. 6(3) 206, 207, 210, 212-215, 223-228 : 6(4) 347, 367
  cryptanalytic cooperation with Great Britain 13(2) 123-134
  Dewey, Thomas E., and 7(2) 119-128 : 7(4) 320-321
  Foundation 2(2) 130-131
Mason and Slidell affair 16(4) 347ff
Mataplan, battle of 20(4) 314
Mathematical methods in cryptology 2(1) 20-37 : 2(2) 101-121
Mathematical word block cipher 12(4) 256-264
Matrix rings 9(2) 140-153
Matrix system (*See* Hill matrix system)
Matyas, S. M. 2(4) 377
Mauborgne, Joseph O. 1(1) 14 : 2(2) 140 : 4(1) 49 : 5(4) 199 : 7(2) 130 : 13(4) 344-345 : 19(4) 390
  and MI-8 8(1) 63-74
  and Purple machines 6(3) 206, 213, 214, 218, 225 : 6(4) 349
  Riverbank correspondence, 1919 19(3) 236-246
Mauri, Msgr. Carlo 20(2) 107, 110
Maya language 1(2) 106-115
McCormack, Alfred 16(4) 294ff
McCrea, Capt. John 16(4) 307f
McCue, Brian 20(2) 139
McGrail, A. J. 2(2) 130-131
Mechanical methods in cryptology 2(1) 20-37 : 2(2) 101-121
Medical records, encipherment of 6(2) 97-107
Mendelsohn, Charles J. 13(4) 333
Menzies, Stuart 11(2) 79-80 : 12(3) 179
Merchandise ciphers 4(3) 169-172
Mercury: The Secret and Swift Messenger 20(3) 233

Merkle-Hellman system 6(3) 279-281
Mexico, French withdrawal from 19(4) 329-348
Meyer, Carl 2(4) 371-381, 388
Meyer, Agnes (*See* Driscoll, Agnes Meyer)
MI-8 (*See also American Black Chamber, The*; Yardley, Herbert O.)
2(2) 130, 139 : 8(1) 62-74 : 13(4) 327-357
end of 12(2) 65-89
Michie, Donald 3(2) 73, 76
Military cryptosystems, standards for 15(3) 247-257
Military Intelligence Hall of Fame 15(1) 25-28
Military Intelligence Sphinx, the 13(1) 82-84
Miller, Kenneth D. 15(4) 282
Milner-Barry, Stuart 3(2) 67 : 11(2) 75
Mimic functions 16(3) 193-214
Moler-Morrison partitioning 1(2) 139-142
Monge, Alf 2(2) 178-185 : 8(4) 302-319
Monoalphabetic substitution (*See* Simple substitution cipher)
Moorman, Frank 2(2) 124, 130 : 2(3) 205, 213 : 8(1) 63-74 : 9(1) 19, 23
Morris, Christopher 19(4) 349-350
Morse code 3(2) 103-104 : 6(4) 359
Japanese 6(3) 220
Müller, Lt. Col. Eugen 20(3) 211
Multiple-key ciphers 8(3) 262-265 : 11(3) 172-181
Multiple-substitution ciphers (*See* Homophonic ciphers)
Multiplex systems 1(1) 4-16 : 1(2) 150-165 : 3(1) 16-26
history of 5(4) 193-208 : 19(4) 385-391
Musical ciphers 3(4) 193-201 : 20(3) 234
Murray, E. C. G. 3(3) 158-165

- N -

N-Code cipher 11(1) 11-14
Napier, John 20(3) 230
Napoleon III, Emperor 19(4) 330-336
National Bureau of Standards (*See* Data Encryption Standard)
2(4) 371-381, 389 : 4(3): 133-134
National Cryptologic Museum 18(4) 381-389 : 20(2) 137; 192
National Science Foundation 2(4) 389 : 3(3) 133 5(2) 93
National Security Agency 1(4) 312 : 2(2) 136, 164-166 : 8(3) 244
1995 History Symposium 20(2) 135-140
and Data Encryption Standard 2(4) 374, 387-390
and nongovernmental cryptography (*See* Cryptography, public)
3(3) 129-135 : 5(1) 21-26, 43-45 : 5(2) 84-93 : 10(1) 47-49 : 11(3) 162-165
establishment of 10(2) 65-74
National Cryptologic Museum 18(4) 381-389
pre-history of 9(4) 306-310
research grants 9(3) 248-250

Nautilus voice-encryption software 19(4) 395
Naval Code F-3, U.S. 17(3) 247-250
Naval Cypher No. 3, U.S. 6(4) 347
Navy Cipher Box cryptograph 6(1) 85-93
Nebel, Fritz 4(2) 65ff
Netherlands, The
and Stadtholders grille cipher 19(2) 153-165
enciphered code 19(3) 261-264
NEWDES cipher 9(1) 75-90 : 14(3) 217-223
Newman, Max 3(2) 72, 76 : 20(4) 308
New York, Newfoundland, and London Company 19(4) 324-348
Niagara cipher 14(2) 135-138 : 14(3) 199-203
Nobel, Emanuel 2(3) 242 : 2(4) 238 : 18(3) 204ff
Nomenclator cipher 19(4) 332-348 : 20(2) 97-134
Nonlinear random-number generators 15(4) 355-363
Normandy invasion 20(4) 319
Noyes, Leigh 6(3) 203, 206 : 6(4) 347-349, 353, 360, 362
NSA (*See* National Security Agency)
NSF (*See* National Science Foundation)
Null cipher 4(2) 120-121 : 20(2) 99
Nyberg, Sture 18(3) 206

- O -

Oeljeschläger, Lt. Col. Georg 20(3) 211, 215
Office of Strategic Services (*See* OSS)
Ohaver, M. E. 6(4) 380
One-time pad cipher 3(4) 206-209 : 6(2) 141-142
difficulties with 4(1) 36-40 : 7(2) 129-131
many keys from small base 20(4) 359-365
Vincent's theorem 6(4) 312-318
Oriental-language ciphers 9(4) 373-380
Orlando, Vittorio 20(2) 129
Osborne, Thomas 17(4) 395-402
Oshima Hiroshi, Ambassador 13(3) 193-209
and Magic intelligence 17(3) 253-254
OSS, cryptographic plan of 13(3) 283-287

- P -

Pacelli, Msgr. Eugenio 20(2) 125-127
Padlock cipher 11(1) 6-8
Paetzold, Helen 20(3) 209
Painvin, Georges-Jean 2(3) 206-210 : 6(2) 119, 120-127 : 9(1) 16-17
Palatino, Giovambattista 5(3) 149-151
Papal codes and ciphers 16(2) 174-176
1815-1920 20(2) 97-134
during World War One 20(1) 1-10
early nineteenth century 17(2) 219-224

Parker, Frederick 20(2) 138
Password authentication 19(2) 198-208
Pattern-word matching 9(1) 55-61
Peake, Hayden 20(2) 139
Pearl Harbor 6(3) 193-228 : 6(4) 353-359
  and inadequacy of cryptanalysis 15(4) 272-294
  Dewey, Thomas E., and 7(2) 122-128 : 7(4) 320-321
  early warning of 3(3) 166-171
  unsolved messages of 15(4) 295-313
Pearson, Lester B. 13(4) 344-347
Pedagogical cipher 6(4) 339-345
Pendergass, James T. 17(2) 113-123
  report on uses of computers 17(2) 124-127
Perforated sheets 6(1) 15-17 : 11(4) 230-231
Periodic ciphers, finding keylength of 12(4) 220-224 : 18(4) 336-340
Periodic sequences, binary (*See* Random numbers) 10(2) 96-100
Permutation polynomials 1(1) 76-92 : 11(4) 211-218
Pers Z S, cryptanalysis of Strip Cipher O 2 by 3(1) 16-26
PGP (*See* Pretty Good Privacy)
Phillips, Cecil 20(2) 137
Pius VI, Pope 20(2) 98
Pius VII, Pope 20(2) 98
Pius IX, Pope 20(2) 112-113
Pius X, Pope 20(2) 113
Pius XI, Pope 20(2) 122
Plaintext, automatic recognition of 13(2) 161-166 : 17(4) 321-366
Playfair cipher 2(2) 179-185 : 3(2) 100-104 : 4(3) 177-180 : 9(2) 132, 133, 135, 136
  double variant 20(4) 325-329
Pletts cryptograph 9(2) 157-160
Plimpton 322 tablet 5(3) 166-173
Pocket Cipher (*See* Racal MA4210 cryptograph)
Pocket Cryptographer (*See* Hagelin CD-57 cryptograph)
Poe, Edgar Allan 2(3) 244
Poland
  and Enigma 11(3) 142-155 : 11(4) 227-234
  and United Nations 19(3) 232ff
  Lacida cryptograph 16(1) 73-80
Polyalphabetic ciphers 10(4) 193-209 : 11(4) 193-205 : 13(3) 266-272
  designing high-security 20(3) 247-256
  Victorian 14(2) 128-134
Polybius 20(3) 224
Polygraphiae libri sex 20(3) 224-225
Polygraphic ciphers (*See* Block ciphers) 9(2) 131-139
Population estimation 18(2) 155-190
Porta, Giovanni Battista della 20(3) 225-226; 249
  cipher of 3(4) 194-195 : 9(2) 161-166 : 20(3) 226

Post tag systems 12(1) 25-33
Post-mortem cryptography 10(2) 108-109 : 20(4) 325-329
Potter, Beatrix, Journal of 1(1) 17-19
POTUS-PRIME messages 11(1) 40-46
Pretty Good Privacy 19(4) 394
Prisoner-of-war cipher 14(1) 53-60
Product ciphers 13(4) 303-326
Programs, computer (*See* Computers, program listings)
PS3 cipher 11(1) 8-10
Public-key systems 1(4) 312-316, 401-402, 406-414 : 9(2) 140-153
  based on complementing sets 16(2) 177-181
  bibliography of, annotated 7(1) 12-24
  ciphertext-only attack on 6(3) 279-281
  cryptanalysis of 2(1) 62-65
  digital signatures in 3(3) 187-189 : 7(3) 257-273
  finite-field equations in 7(4) 347-358
  implementation on HP-67 calculator 4(1) 20-22
  intractable functions in 9(3) 223-227 : 12(4) 225-233
  knapsack problems in, solution of 7(1) 1-5
  Lu and Lee proposals for 4(4) 204-207
  master-key concept 17(2) 175-186
  new method for 9(4) 360-371
  number theoretic method 2(4) 305-321 : 3(1) 29-42 : 3(3) 105-118
  protocol
    common modulus, weakness in 8(3) 253-259
    "weak" privacy 7(2) 180-182
  quadratic residue cipher 17(3) 264-282 : 19(3) 275-284 : 19(4) 397-404
  randomness and redundancy in 13(2) 167-189
  Simmons-Norris algorithm 6(3) 229-237
    cycling attacks on, foiling 12(2) 159-164
  trapdoor functions in 6(3) 266-273
  vs. Data Encryption Standard 2(4) 380-390
Purple machines 4(1) 45-50 : 6(3) 195-228 : 7(2) 119 : 10(1) 40
  cipher 15(4) 282-294
  delivered to England 20(3) 193-201
Putney, Diane 20(2) 138-139
Pyry, third man at 11(2) 78-80

- Q -

QIK-Crypt algorithm 4(3) 133-139
Quadratic residue cipher 17(3) 264-282 : 19(3) 275-284 : 19(4) 397-404
Quiggin, E. C. 5(1) 38

- R -

"Rabid" intelligence 15(4) 341-354
Racal MA4210 cryptograph 1(4) 334-336

Radio intelligence, battle of Coral Sea 7(2) 97-118
Radiogoniometry 16(4) 323-324 : 18(1) 58-59
Randall, Brian 3(2) 66, 67, 74
Random-key encryption 13(3) 266-272
Random numbers (*See* Chaotic encryption)
  autocorrelation function 10(2) 96-100
  chaotic generation of 13(3) 243-250
  ciphers based on 4(1) 30-33 : 6(1) 34-37 : 6(2) 97-107
    cryptanalysis of 2(3) 215-231
    Ciarcia Data Encryptor 12(1) 1-10
    known-plaintext attack, foiling 10(4) 217-223
    information-theoretic 9(4) 351-359
  comprehensive survey 15(2) 81-139
  generation of 20(3) 253-255 : 20(4) 359-365
  initializing generator 18(3) 275ff
  Lehmer's method 2(2) 168-169
  measures of 14(4) 297-298
  nonlinear generators 11(2) 108-111 : 15(4) 355-363 : 17(1) 55-62
  one-way generating function 13(1) 73-78
  solution of generator 1(1) 20-26 : 2(4) 372, 380 : 3(3) 155-157 :
    5(1) 51-57 : 6(4) 319-328
Ratti, Msgr. Achille (*See* Pius XI, Pope) 20(2) 127-128
Raven, Francis A. 6(3) 209 : 15(4) 285
Record protection
  automated office 7(1) 49-62
  medical 6(2) 97-107
Red Book code, Japanese 15(1) 51-53
Red machine 6(3) 204, 206
  cipher 15(4) 280-283
Redman, Joseph 6(4) 347, 349-350
Redundancy, language (*See* Entropy; Unicity distance)
Redundancy-reducing codes (*See* Huffman codes)
Rees, Mary Ellen 20(3) 202, 207
Regne, Edme 5(4) 201-205
Reich, Reports from the 1(4) 371
Reihenschieber cipher 20(2) 141-153
Rejewski, Marian (*See* Poland and Enigma) 6(1) 19-25 : 14(3) 204-215
  conversation with 6(1) 50-60
Rerum Anglicarum Henrico VIII 20(3) 230-232
Residue ciphers 17(3) 264-282 : 19(3) 275-284
Revolutionary War, American
  Cornwallis cipher 1(4) 392-395
  Lovell ciphers 2(1) 75-88
Ribbentrop, Joachim von 13(3) 193-209
RIP-5 cryptograph 8(3) 216-217
RIPEM software 19(4) 394

Riverbank Laboratories 2(4) 324-330 : 8(1) 64-65 : 13(4) 327-331
correspondence, 1919 19(3) 236-246
early history of 9(3) 240-246
history and travelogue 17(1) 80-94
recognition by NSA 17(4) 403-406
Rivest, Ron (*See* RSA systems) 1(4) 312
Rochefort, Joseph 6(3) 223 : 15(4) 276-277
and battle of Coral Sea 7(2) 104-111
Rochford's cipher 16(4) 347-362
Rochfort, LtCol. William H. (*See* Rochford's cipher)
Rockefeller, Nelson 19(3) 223ff
Rockex cryptographs 11(4) 245-247
Romanelli, Guido 20(4) 354-355
Room 40 (*See* Great Britain, Government Code and Cypher School)
4(4) 193-203 : 5(1) 33-39
Roosevelt, Eleanor 2(2) 139-143
Roosevelt, Franklin D. 6(3) 211, 218, 226-227
and United Nations 19(3) 220ff
and Winston Churchill 11(1) 40-46 : 13(2) 123-134
and Thomas E. Dewey 7(2) 119-128
Library 2(2) 139-143
use of Magic and Ultra 16(4) 289-319
Rosen, Leo 15(4) 283 : 20(3) 194, 197
Rosetta stone 1(2) 101-105
Roterm cryptograph 7(4) 359-370
Rotor systems (*See also by manufacturer, name or model number*)
algebra of 1(2) 186-194
generalized 9(2) 97-113 : 9(3) 193-201 : 11(3) 166-171
Rowlett, Frank 6(3) 220 : 11(2) 68 : 15(4) 278ff
interview with 4(1) 45-50
Royal Canadian Mint 1(3) 275-277
Rozycki, Jerzy (*See* Poland and Enigma) 6(1) 20-23, 51-60
RSA systems 1(4) 401-402 : 9(2) 140-153
conspiracy attacks on 18(4) 372-380
cycling attacks on, foiling 12(2) 159-164
Rubik's cube 16(3) 250-256
Rudyánsky, Endre 20(4) 352
Rumania 20(4) 247ff
Runes, analysis of 8(4) 302-319
Running-key cipher 19(3) 236-246
Russia (*See* USSR)
Bolshevik ciphers 20(4) 347-358

- S -

Sabine, Wallace Clement, Laboratory of Acoustics 17(1) 84f

Sacco, Luigi 20(1) 2 : 20(2) 120-121
Safford, Laurance F. 6(3) 193-194 : 6(4) 348-363, 364-367 : 8(3) 227-228 : 15(1) 51-52 : 15(4) 274-277
  on Enigma cipher 14(3) 253-257 : 15(2) 153-160
  on Naval cryptography 16(3) 265-281
Salusbury, Iohn 20(3) 227-228
Sandwith, Humphrey 11(2) 78-80 : 20(3) 198
Sanov's theorem 1(3) 247
Sanscrit language 12(2) 113-117
Sarasvatıscript 20(3) 275-279
Scagliosi, Vincenzo 20(2) 98-99
Schapper, Gottfried 2(1) 12
Scherbius, Arthur 1(4) 385
Schlesinger, Stephen 20(2) 136
Schluesselzusaetze (*See* Lorenz SZ 40/42 cryptographs)
Schorreck, Henry 20(2) 135
Science magazine 2(4) 390
Science universelle, La 3(4) 215-216
Scott, Sir Percy, cryptograph 8(3) 249-252
Scritcher [Enigma emulator] 19(2) 137-148
Secret ink 9(1) 30
Secure File System software 19(4) 395
Security
  communication 1(4) 378-380 : 2(1) 30-37 : 2(2) 188
    1931 Navy survey of U.S. and European 18(1) 52-79
    early U.S. Naval 9(4) 324-331
  computer 1(4) 400-401
    commercial software for 11(1) 1-15 : 12(3) 165-173
    European needs and attitudes 12(4) 234-239
  cryptographic 5(1) 59-62
Seifert, Walter 4(2) 66-67
Selenus, Gustavus 7(3) 193-217 : 20(3) 233
Self-synchronizing cryptosystems 15(3) 194-202
Seven Years War 19(2) 161-162
Seward, William H. 19(4) 321-348
Shamir, Adi (*See* Public-key systems; RSA systems) 7(1) 1-5
Shakespeare, William
  and Bacon controversy 19(1) 24-38
Shakespearean ciphers 9(3) 240-246 : 20(3) 226-241
Shakespearean Ciphers Examined, The 20(2) 159-161 : 20(3) 227
Shamir, Adi (*See* Public-key systems; RSA systems) 7(1) 1-5
Shannon, Claude E. (*See* Information theory; Unicity distance) 1(1) 11, 46 : 9(2) 167-175
Shannon-McMillan theorem 1(3) 238-240
Shapley, Deborah 2(4) 390
Shift registers, linear-feedback (*See* Random numbers) 12(1) 1-10

Shulman, David 1(1) 27-42, 43-45
Shumaker, Wayne 20(3) 224-225
Siemens & Halske
historical survey of (13(2) 97-117
T52-series cryptographs 3(4) 210-214 : 7(3) 235-253 : 10(4) 230-242, 243-247
Norwegian modifications to 18(2) 141-146; 147-149
T52e cryptograph 6(4) 289-308
SIGABA cryptographs 1(2) 168 : 1(4) 384 : 6(1) 28 : 6(3) 283 :
6(4) 346, 347 : 7(2) 162-163 : 8(3) 224, 227
and "Rabid" intelligence 15(4) 352ff
automatic communications with 9(4) 311-315
M-134-C Converter (cryptograph) 9(4) 313-315 : 11(1) 40-46
SIGFOY cryptograph (*See* M-235 cryptograph)
SIGMYC cryptograph 11(3) 160-161
Signal Corps Cipher Disk 1(1) 69-71
Signal Intelligence Service (*See* National Security agency, pre-history of)
849th 11(1) 29-39
and Japanese Army codes 19(2) 122
Friedman's history of 15(3) 263-272
Signal Security Agency (*See* National Security agency, pre-history of)
6813th detachment 11(2) 65-77 : 11(3) 129-141
and United Nations 19(3) 219ff
Silent Years 3(3) 136, 153
Silvestri, Jacobo 4(2) 96-103
Simmons-Norris algorithm 6(3) 229-237
cycling attacks on, foiling 12(2) 159-164
Simple substitution ciphers 1(2) 116-142 : 1(3) 243-244 : 2(1) 23-24: 4(2) 109-115 :
8(4) 348-358
automated cryptanalysis 17(2) 202-218 : 17(4) 407-418
: 19(3) 265-274
cryptanalytic properties of short 13(1) 61-72
finding vowels in 8(4) 348-358 : 14(4) 355-362 : 16(2) 165-173
comparison of methods 16(3) 282-286
improvement to 10(1) 10-22
genetic algorithm applied to 17(1) 31-44
interval concept in 15(4) 314-324
vowel identification 15(3) 258-262
Sinkov, Abraham 4(1) 46-48 : 6(3) 215-217 : 8(4) 338-339
and Purple machine 20(3) 193-201
and Signal Intelligence Service 14(4) 303-330
Sittler, F. J. 19(3) 261 : 20(2) 117
Skates, John 20(2) 136
Slidex RT code 8(2) 163-171
Small, Albert W. 15(4) 282; 284
Smedley, W. T. 20(3) 226
Smith, Bradley 20(2) 135

Smithsonian Institution cipher exhibit 5(3) 149-151 : 9(1) 38-51
Snyder, Samuel S. 15(4) 282
Software (*See also* Computers, program listings)
ATBASH2 19(4) 395
Data Lock 19(4) 395
Nautilus voice-encryption 19(4) 395
Pretty Good Privacy 19(4) 394
protection for microcomputers 8(2) 142-160
Quicrypt 19(4) 396
RIPEM 19(4) 394
Secure File System 19(4) 395
Sonnino, Sidney 20(1) 1-10 : 20(2) 120
Sorel, Charles 3(4) 215-216
South America 19(3) 221-223
Soviet Union (*See* Russia; USSR)
Spada, Msgr. Domenico 20(2) 114
Spelling checkers 11(2) 115-118
Stalin, Joseph 19(3) 221ff
Starziczny ciphers 7(2) 133-135
Steganographia 7(3) 203-205 : 20(3) 224-225
Steganography, strong theoretical 19(3) 285-299
Stevenson, William 3(2) 65
Stimson, Henry L. 2(3) 202 : 12(2) 65-89 : 13(4) 335-339; 355
"other people's mail" 14(1) 91-95 : 17(3) 318
Stoeckl, Baron Edoard de 19(4) 338-341
Stream ciphers 14(3) 285-288
cryptanalysis 18(1) 25-40
Strichmeyer, Maj. Hans 20(3) 209
String cipher 20(3) 235
Strip cipher (*See* Multiplex systems)
Sturgis, Cyrus C., Jr. 15(4) 282
Substitution ciphers (*See* Simple substitution ciphers) 14(2) 289-303
Substitution-permutation networks 20(3) 258-274
Sukhotin's algorithm *See* Simple substitution, finding vowels in) 15(3) 258-262
use with non-English languages 16(2) 165-173
Superencipherment 14(4) 304-330
Superkey cipher 11(1) 4-6
Swift, Jonathan 16(4) 327-338
Symmetric keys 18(3) 253-280
Szabo, Ladislas (Laszlo) 20(4) 347-358
Szamuely, Tad 20(4) 348

- T -

Tablets, ancient mathematical 5(3) 163-173
Tadiran SEC-series cryptographs 8(2) 112-114
Talbert, Ansel E. M. 3(1) 51-53

Target Intelligence Committee 11(3) 129-141
Tech. Comm. Corp. CP-III cryptograph 3(4) 206-209
Tele Security Timmann cryptographs 4(4) 225-229 : 8(3) 278-283
Telecrypton cryptographs 11(3) 161
Teletype cryptograph 20(2) 155-163
Thouless, Robert 10(2) 108-109 : 20(4) 325-329
TICOM (*See* Target Intelligence Committee)
Tiltman, John 20(3) 196
Tinker, Charles A. 19(4) 325ff
Tiltman, John 19(1) 5-7
Toy cryptographs 1(2) 166 : 5(2) 78-83 : 6(4) 368-377
Toshiba LC-836MN calculator 4(2) 89-94
Tranow, Wilhelm 4(2) 68-69
Transfinite cryptography 4(4) 230-237
Transposition ciphers 4(4) 208-211 : 7(2) 132-144 : 13(4) 308-326
  Chinese 14(1) 61-78
  cryptanalysis of a seventeenth century 17(4) 395-402
  with pseudo-random shuffling 15(1) 1-17
  Rubik's cube used for 16(3) 250-256
Transvertex HC-9 cryptograph 13(3) 251-265
Trapdoor functions 6(3) 266-273
  search for, in DES 12(4) 195
Travis, Edward 3(2) 66 : 20(3) 196
Tree functions 15(3) 194-202
Trifair cipher 9(3) 210
Trigraph ciphers 9(3) 202-222
Trist, Nicholas Philip 7(4) 297-314
Trithemius, Johann 5(3) 153 : 7(3) 203 : 20(3) 224-225, 240
Truman, Harry S 10(2) 65-74 : 19(3) 232ff
Tuchman, Walter 2(4) 371-381
Tucker, Dundas P. 6(3) 193-194, 208 : 6(4) 346, 365-366
"Tunny" cryptograms (*See* Lorenz SZ 40/42 cryptographs)
Turing, Alan 3(2) 66, 67-72 : 4(3) 132 : 10(1) 50-59 : 12(3) 179-180; 183 : 19(4) 375 : 20(4) 308ff
Tuthill, Judge Richard S. 19(1) 24-38
Typex cryptograph 1(2) 167, 168 : 6(3) 283-284 : 7(2) 145-165 : 12(3) 178, 182-183

- U -

U-boat communications 12(2) 98-106 : 20(4) 230-240
Ultra (*See* Enigma) 1(3) 210-222 : 1(4) 381-385 : 3(2) 65-77 : 11(2) 65-77 : 13(3) 195
  and United Nations 19(3) 217-235
  and U.S. Navy carrier operations 19(1) 81-96
  background of 4(3) 129-132
  conference on, report of 3(1) 1-8
  "counterfactual history of no" 20(4) 308-324

effectiveness of 3(1) 51-53
NSA History Conference on 20(2) 135-140
pre-history of 11(3) 142-155 : 11(4) 227-234 : 12(3) 178-184
Roosevelt's use of 16(4) 289-319
Ultra-Dexter intelligence 15(4) 341-354
Underwood code machine (*See* RIP-5 cryptograph)
Unicity distance 1(1) 46-68 : 1(3) 235-254 : 3(4) 233-235 : 7(1) 37-48 : 17(1) 47-48
Union of Soviet Socialist Republics (*See* USSR)
United Nations, cryptologic influences on formation of 19(3) 217-235
United States (*See* particular topic)
and United Nations 19(3) 217-235
Army-Navy cryptologic cooperation 16(2) 145-164
Army Signal Security Agency, and "scritchers" 19(2) 137-148
Army Signal Security Detachment D 20(1) 55-76
Army Special Security Group 13(1) 79-82
Civil War ciphers 16(4) 347-362
code systems, early '30s 8(4) 340-342
commemorative stamp, cryptographic 18(2) 250-252
communication facilities, World War Two 6(4) 348-363
COMSEC in Viet Nam 13(2) 143-150
cryptanalytic cooperation with Great Britain 13(2) 123-134
cryptographic operations, World War Two 6(1) 40-44
cryptosystems, air-amphibian operations 8(2) 181-186
Justice Dept. 5(2) 92
military communications, turn-of-the-century 8(3) 213
Military Intelligence Hall of Fame 15(1) 25-28
Naval Code F-3 17(3) 247-250
compromise of 13(4) 378-381
Naval Cryptologic Museum 8(3) 208-234
nonmilitary codes and ciphers 11(3) 160-161
radio intelligence activity, 1914-1918 18(1) 61-63
Revolutionary War 1(4) 392-395 : 2(1) 75-88
Signal Intelligence Service 14(3) 303-330
Friedman's history of 15(3) 263-272
Southwest Territory, acquisition of 7(4) 297-314
State Dept. 5(2) 92-93
Blue code 20(2) 117
Red code 20(2) 117
War Dept. Code 1915 9(1) 6
World War One 2(3) 201-214
UNIVAC 20(2) 159-163
UNIX, cryptographic features of 6(3) 253-257
USS Indianapolis 20(2) 136
USSR (*See* Russia)
and United Nations 19(3) 217-235
KGB cipher 14(1) 37-52

wiretapping practices of (13(2) 190-191

- V -

Van de Spiegel, L. P. 17(3) 225-236
Van Deman, Ralph H. 8(1) 63-74 : 8(4) 6, 8, 14, 15
van Doenhoff, Richard 20(2) 136
von Stockhammern, Franz 20(2) 121
Vararuchi cipher (*See* Aryabhata cipher) 14(1) 79-82
Vatican codes and ciphers (*See* Papal codes and ciphers)
VCR Plus+ Code 16(3) 227-234
Venezuela 19(3) 233
Venona project 20(2) 137; 165-166
Vernam, Gilbert S. 7(2) 130 : 13(4) 331 : 19(3) 236 : 20(3) 248
cipher 6(3) 248-252 : 9(1) 35 : 10(4) 247 : 14(4) 290-300 : 20(2) 155-163
Viet Cong signal intelligence 13(3) 143-150
Vigenère, Blaise De 20(3) 223
Vigenère cipher 1(3) 242 : 1(4) 338-361 : 4(1) 27-29 : 4(2) 91-94 : 11(4) 206-210 : 14(2) 129-130 : 20(3) 248-249
multiloop 18(4) 356-371
spelling checkers, use of 11(2) 115-118
with incoherent running key 20(4) 325-329
Vigenère line cipher 1(3) 265
Vincent's theorem 6(4) 312-318
Vint Hill Farms 20(1) 55-56
Vogel, Edward 2(2) 130
Voice encryption 19(4) 395
Vowel finding *See* Simple substituion, finding vowels in) 1(2) 120-142
comparison of methods 16(3) 282-286
Voynich manuscript 10(4) 218-216 : 15(2) 161-166
Friedman's transcription of 19(1) 1-23
statistical properties of 15(3) 207-218

- W -

Wadsworth cryptograph 6(3) 238-247
Walsingham, Sir Francis 20(3) 232-233
Watson, Thomas, Jr. 2(4) 372-373
Weeks, Robert 20(3) 194, 197, 201
Welchman, Gordon 4(3) 132 : 10(1) 50-59 : 11(2) 65-77 : 12(3) 180 : 19(4) 375
Wenger, Joseph N. 8(3) 208-234 : 17(2) 113ff : 20(3) 194
Werther, Col. Waldemar 20(3) 211, 213, 215
Wesley, John, diary of 2(3) 260-264
Western Union Company 19(4) 325-337
Wheatstone cryptograph 9(2) 155-157
Whitehead, J. H. C. 3(2) 72

Wilkins, Bishop John 20(3) 233-241
William III of The Netherlands and England 19(2) 154
William V, Stadtholder 17(3) 225-236; 19(2) 155 ff
Winterbotham, Frederick W. 3(2) 65, 76
Woelluer, Edwin 2(2) 130
Wolfe, John 20(3) 226
Woodrough, Fred 20(3) 194
WordPerfect cipher 11(4) 206-210
  version 5.0 15(1) 57-66
Word Ways 1(3) 232-233
Wylie, Shaun 3(2) 72

- X -

XOR cipher (*See* Vernam, Gilbert S., cipher)

- Y -

Yamamoto, Admiral Isoroku 15(4) 295ff
Yap Island 18(2) 84ff
Yardley, Herbert O. (*See also American Black Chamber, The*; MI-8)
  2(2) 130-133, 139-143 : 2(3) 202 : 8(1) 62-74 : 10(3) 130-131 : 13(1) 85-88
  13(4) 327-357 : 15(4) 274 : 19(4) 377-379
  a Japanese informant? 20(1) 94-96
  and William F. Friedman 13(4) 327-331; 343-344
  as crimefighter 12(1) 62-64
  Japanese Diplomatic Secrets 18(2) 81-127
  lesser writings 18(2) 116ff
  seized manuscript of 6(2) 115-119

- Z -

Zimmerman telegram 16(4) 324ff : 18(1) 59
Ziv-Lempel complexity 18(3) 253-280
Zygalski, Henryk (*See* Poland and Enigma) 6(1) 20-23, 51-60

CRYPTOLOGIA REVIEW INDEX – 1977-1996

NOTE ON REVIEW INDEX

This is an index of reviews of cryptologic material published in the first twenty years of *Cryptologia*, 1977-1996. It is organized by the last name of the author of the material under review. Title information and location of review (volume, issue, pages) follow the author's full name.

- A -

Abrams, M. D. : Tutorial: Computer and Network Security : 11(2) 127
Adair, Gilbert (Trans.) : A Void : 19(4) 370-371
Adamek, Jiri : Foundations of Coding: Theory and Applications of Error-Correcting Codes with an Introduction to Cryptography and Information Theory : 16(1) 14-15
Agrell, W. (Ed.) : Clio Goes Spying: Eight Essays on the History of Intelligence : 9(2) 179
Alberti, Leon Battista : Dello Scrivere in Cifra : 19(4) 373-374
al-Tayyan, Hassan : Origins of Arab Cryptography and Cryptanalysis : 17(2) 166-167
Alam, Yahya Meer : Origins of Arab Cryptography and Cryptanalysis : 17(2) 166-167
Albert, A., Jr. : Code Busters! : 10(2) 115
Albert, B., Jr. : Top Secret! Codes to Crack : 12(2) 125
Albert, Burton, Jr. : Codes for Kids : 3(4) 218
Albright, H. : Pearl Harbor: Japan's Fatal Blunder : 13(3) 240
Aldrich, Richard J. : The Key to the South: Britain, the United States, and Thailand During the Approach of the Pacific War, 1929-1942 : 18(1) 13
Allen, Thomas : "The Crypto Bandits," in *Air Force Magazine* : 14(3) 234-235
Allen, Thomas A. : Merchants of Treason: America's Secrets for Sale from the Pueblo to the Present : 13(4) 369-370
Allington, Maynard : The Fox in the Field: A WW II Novel of India : 18(4) 395
Ameringer, Charles D. : U.S. Foreign Intelligence: The Secret Side of American History
Amoroso, Edward : Fundamentals of Computer Security Technology : 19(2) 213-214 : 15(1) 69
Anderson, Ross (Ed.) : Fast Software Encryption : 19(3) 306-307
Andreassen, K. : Computer Cryptology: Beyond Decoder Rings : 12(1) 39
Andree, J. P. : Explore Computing with the TRS-80 (and common sense) : 9(2) 177
Andree, R. V. : Explore Computing with the TRS-80 (and common sense) : 9(2) 177
Andrew, C. (Ed.) : The Missing Dimension, Governments and Intelligence Communities in the Twentieth Century : 9(2) 183-184

Andrew, C. (Ed.) : Intelligence and International Relations, 1900-1945 : 12(3) 187
Andrew, Christopher : For the President's Eyes Only: Secret Intelligence and the American Presidency from Washington to Bush : 19(3) 317-318
Andrew, Christopher : More Instructions from the Centre: Top Secret Files on KGB Global Operations, 1975-1985 : 16(4) 345
Andrew, Christopher (Ed). : Codebreaking and Signals Intelligence : 14(3) 235
The Twentieth Century : 9(2) 183-814
Andrew, Jean (Ed.) : Our Cryptograms : 2(2) 290
Andrews, Carol : The British Museum Book of the Rosetta Stone : 18(1) 20-21
Antonucci, Michael : "Code Cracker," in *Civil War Times Illustrated*, Aug 1995 : 20(1) 17-18
Ascher, Marcia : Code of the Quipu: A Study in Media, Mathematics, and Culture : 6(2) 156
Ashton, Christina : Codes and Ciphers: Hundreds of Unusual and Secret Ways to Send Messages : 18(1) 2
Asimov, Isaac (Ed.) : Speculations : 8(1) 51-52
Atherton, Louise : TOP SECRET: An Interim Guide to Recent Releases of Intelligence Records at the Public Record Office : 19(4) 367
Auslander, C. O. : How to Construct Your Own Puzzles: It's Much Easier Than Solving, More Fun, and Rewarding : 12(1) 41-42

- B -

Bacard, André : The Computer Privacy Handbook: A Practical Guide to E-mail Encryption, Data Protection, and PGP Privacy Software : 20(3) 282-283
Bachrach, Deborah : Pearl Harbor: Opposing Viewpoints : 13(3) 237-238
Baggett, B. : Secret Intelligence: The Inside Story of America's Espionage Empire : 13(3) 233-234
Baker, E. : Secret Writing: Codes and Messages : 13(3) 220
Ball, D. : Pine Gap: Australia and the US Geostationary Signals Intelligence Satellite Program : 13(3) 216-217
Ball, D. : The Ties That Bind: Intelligence Cooperation Between the UKUSA Countries United Kingdom, the United States of America, Canada, Australia and New Zealand : 10(2) 121-122
Ball, Desmond : Signals Intelligence in the Post-Cold War Era: Developments in the Asia-Pacific Region : 20(3) 287
Ball, Desmond : Signals Intelligence (SIGINT) in South Korea : 20(4) 365
Ball, Desmond : Soviet Signals Intelligence (SIGINT), *Canberra Papers on Strategy and Defence* : 14(3) 242-244
Ball, Duncan and Ian : The Spy Code Handbook: How to Make Code and Cipher Machines to Outfox Your Enemies : 18(1) 4
Ballard, Geoffrey : On ULTRA Active Service: The Story of Australia's Signal Intelligence : 16(2) 182-183
Bamford, J. : The Puzzle Palace: A Report on America's Most Secret Agency : 8(2) 128-129
Bancroft, Elizabeth (Ed.) : Surveillant: Acquisitions for the Intelligence Professional : 15(1) 70

Barber, Peter : Diplomacy: The World of the Honest Spy: 4(3) 172
Barber, E. J. W. : Archaeological Decipherment - A Handbook : 2(2) 291
Barger, Charles J. : Radio Equipment of the Third Reich, 1933-1945 : 15(4) 328-329
Barker, Wayne G. : Cryptanalysis of the Hagelin Cryptograph : 2(1) 66-67
Barker, Wayne G. : Cryptanalysis of an Enciphered Code Problem–Where an "Additive" Method of Encipherment Has Been Used : 5(2) 124-125
Barker, Wayne G. : Cryptanalysis of Shift Stream Generated Stream Cipher Systems : 8(4) 360-363
Barkin, C. : How to Keep a Secret : 3(4) 217
Barlow, Michael (Ed.) : *The Cryptogram:* Computer Supplement No. 10 : 13(4) 373
Barron, J. : Breaking the Ring: The Bizarre Case of the Walker Family Spy Ring : 11(4) 249
Bartlett, Bruce R. : Cover-up: The Politics of Pearl Harbor, 1941-1946 : 4(4) 237
Bates, David Homer : Lincoln in the Telegraph Office: Recollections of the United States Military Telegraph Corps during the Civil War : 20(4) 367-368
Bauer, Friedrich L. : Entzifferte Geheimnisse: Methoden und Maximen der Kryptologie : 19(4) 369
Bauer, Friedrich L. : Kryptologie: Methoden und Maximen : 18(2) 128-129
Bausom, David and Henry S. Bausom, (Eds.) : *The Journal of Military History,* Cumulative Index: Vols. 1-58, 1937-1994 : 20(1) 19-20
Beach, Edward L. : Scapegoats: A Defense of Kimmel and Short at Pearl Harbor : 19(4) 369-370
Beckett, Brian : Introduction to Cryptology : 14(2) 186-187
Bedini, Silvio A. : Thomas Jefferson, Statesman of Science : 14(3) 240-241
Beesly, Patrick : Room 40: British Naval Intelligence 1914-1918 : 9(1) 52-54
Behrendt, Hans-Otto : Rommels Kenntnis vom Feind im Afrikafeldzug : 10(2) 112
Beker, H. J. : Cryptology and Coding : 14(1) 85
Beker, H. J. (ed.) : Secure Communications, special edition of *IEEE J. on Selected Areas in Communication* : 13(4) 371-372
Beker, H. J. : Secure Speech Communications : 10(2) 120
Bell, Ernest L.(Ed.) : An Initial View of Ultra as an American Weapon : 3(4) 219
Belzer, J. (Ed.) : Encyclopedia of Computer Science and Technology : 6(2) 160-161
Beneich, D. : Softwar : 10(3) 191
Bennett, Ralph : Behind the Battle: Intelligence in the War with Germany : 19(1) 110-111
Bennett, Ralph : Ultra and Mediterranean Strategy : 13(3 363-364
Bennett, Ralph : Ultra in the West: The Normandy Campaign 1944-45 : 6(1) 65-74
Bennett, Ralph : "Knight's Move at Drvar: Ultra and the Attempt on Tito's Life, 25 May 1944," in *Journal of Contemporary History* 12(1) 44
Bergen, J. D. : Military Communications: A Test for Technology : 12(1) 50-51 : 12(2) 119-128
Bernstein, T. : Internet Security for Business : 20(4) 376-377
Beth, T. (Ed.) : Advances in Cryptology : 11(1) 55

REVIEW INDEX

Beth, Thomas : Public-Key Cryptography: State of the Art and Future Directions : 16(4) 342

Beutelspacher, Albrecht : Cryptology : 19(4) 366-367

Bhimani, A. B. : Internet Security for Business : 20(4) 376-377

Bidwell, B. R. : History of the Military Intelligence Division, Department of the Army General Staff: 1775-1941 : 11(2) 126

Biham, Eli : Differential Cryptanalysis of the Data Encryption Standard : 17(4) 389

Bixler, Margaret T. : Winds of Freedom: The Story of the Navajo Code Talkers of World War II : 17(1) 109

Blackstock, Paul W. (Ed.) : Intelligence, Espionage, Counterespionage, and Covert Operations: A Guide to Information Sources : 3(4) 218

Blahut, Richard E., Ed. : Communications and Cryptography: Two Sides of One Tapestry : 20(1) 32

Blakley, G. R. (Ed.) : Advances in Cryptology: Proceedings of CRYPTO '84 : 11(1) 57-58

Blanchard, Walter : PC Cryptograms [PC software] : 15(1) 71 : 15(4) 331

Bleakley, Jack : The Eavesdroppers : 17(2) 167-168

Bloch, G. : "La contribution francaise à la reconstitution et au decryptement de l'Enigma militaire allemande en 1931-1932," in *Revue Historique Des Armes* : 11(1) 59

Block, D. : "The Trapdoor Algorithm," in *Creative Computing* : 7(3) 286

Blum, H. : I Pledge Allegiance...The True Story of the Walkers: An American Spy Family : 12(3) 191

Bok, S. : Secrets: On the Ethics of Concealment and Revelation : 7(3) 283

Bologna, J. (Ed.) : *Computer Security Digest* : 13(3) 236

Borosage, R. L. (Ed.) : The CIA File : 2(2) 290

Bosworth, Bruce : Codes, Ciphers, and Computers: An Introduction to Information Security : 7(3) 285

Bosworth, S. (Ed.) : Computer Security Handbook : 12(4) 266

Bosworth, Seymour (Ed.) : Computer Security Handbook, 3rd ed. : 20(1) 26-27

Botermans, J. : Puzzles Old and New: How to Make and Solve Them : 13(3) 235-236

Botermans, Jack : New Book of Puzzles: 101 Classic and Modern Puzzles to Make and to Solve : 17(1) 103-104

Botermans, Jack : The Book of Ingenious & Diabolical Puzzles : 20(1) 23

Boucher, Anthony : The Case of the Baker Street Irregulars : 13(3) 233

Bowman, Tom : No Such Agency : 20(2) 187-188

Boyd, Carl : American Command of the Sea Through Carriers, Codes, and the Silent Service: World War II and Beyond : 20(2) 184-185

Boyd, Carl : Hitler's Japanese Confidant: General Oshima Hiroshi and Magic Intelligence, 1941-1945 : 17(3) 253-254

Boyd, Colin : Cryptography and Coding—Proceedings of the 5th IMA Conference, December 1995 : 20(4) 371-372

Brandreth, G. : Writing Secret Codes and Sending Hidden Messages : 9(2) 182

Brassard, G. : Modern Cryptology : 13(3) 223

Brassard, Gilles (Ed.) : Advances in Cryptology: Proceedings of CRYPTO '89 : 15(2) 172-173

Brebner, A. F. : Control and Security of Computer Information Systems : 13(3) 228-229
Breckinridge, S. D. : The CIA and the U.S. Intelligence System : 11(1) 53
Breton, T. : Softwar : 10(3) 191
Brickell, Ernest F. (Ed.) : Advances in Cryptology–CRYPTO '92 Proceedings : 18(2) 139
Bright, William (Ed.) : The World's Writing Systems : 20(4) 378-378
Brogan, Patrick : Soldiers, Spies, and the Rat Line : 20(3) 283-284
Brown, A. C. : "C": The Secret Life of Sir Stewart Graham Menzies : 12(3) 189
Brumbaugh, Robert S. (Ed.) : The Most Mysterious Manuscript: The Voynich "Roger Bacon" Cipher Manuscript : 3(4) 218
Bryden, John : Best-Kept Secret: Canadian Secret Intelligence in the Second World War : 19(1) 107-108
Budge, Sir E. A. Wallis : Egyptian Language: Easy Lessons in Egyptian Hieroglyphics with Sign List : 18(1) 20
Bulliet, Richard : The Sufi Fiddle : 15(3) 245
Burke, Colin : Information and Secrecy: Vaneval Bush, Ultra and the Other Memex : 18(3) 284-286
Burnham, D. : The Rise of The Computer State : 8(1) 45
Burton, Sidney A. : Intercept Station "C": From Olongapo through the Evacuation of Corregidor, 1929-1942 : 8(1) 47
Butler, Nicola : The Campus Connection: Military Research on Campus : 17(2) 170

- C -

Calvi, F. : Intelligences Secretes: Annales de LÉspionnage : 13(3) 221
Calvocoressi, Peter : Top Secret Ultra : 6(1) 65-74
Camp, John : The Fool's Run : 14(1) 84
Campbell, D. : Secret Service : 13(1) 90-91
Capocelli, Renato M. (Ed.) : Sequences: Combinatorics, Compression, Security and Transmission : 15(2) 175-176
Carlgren, W. M. : Svensk Underrattelsetjanst 1939-1945 : 12(1) 39
Carroll, J. : Firebird : 13(3) 242
Carroll, J. M. : Computer Security : 12(1) 38-39
Carter, Carolle J. : The Shamrock and the Swastika: German Espionage in Ireland in World War II : 2(2) 265
Carter, N. : The Tarlov Cipher : 11(2) 125
Caruana, S. (Ed.) : it The Spear-Shaker Review : 13(1) 85 : 15(4) 326-327
Casler, Dave : The Fox Hunt Adventure : 17(1) 108-109
Chacko, D. : The Black Chamber : 13(3) 227-228
Chacko, D. : White Gamma : 13(3) 227-228
Chadwick, John : The Decipherment of Linear B : 15(4) 333-334
Chant, C., : The Encyclopedia of CODENAMES of World War II : 12(3) 189-190
Chapman, J. W. M. : "No final solution: A Survey of the Cryptanalytical Capabilities of the German Military Agencies, 1926-35," in *Intelligence National Security* : 11(4) 251

Chapman, John W. M. (Ed.) : The Price of Admiralty: The War Diary of the German Naval Attaché in Japan, 1939-1943 : 10(4) 227-229: 15(1) 68-69
Chapman, John W. M. : "Signals Intelligence Collaboration Among the Tripartite Pact States on the Eve of Pearl Harbor," in *Japan Forum* : 16(4) 340-341
Chapman, Sally : Raw Data : 16(1) 15
Chaum, D. (Ed.) : Advances in Cryptology: Proceedings of CRYPTO '82 : 7(4) 378
Chaum, D. (Ed.) : Advances in Cryptology: Proceedings of CRYPTO '84 : 11(1) 57-58
Chaum, D. (Ed.) : Advances in Cryptology: Proceedings of EUROCRYPT '87 : 13(3) 224-225
Chevrillon, Claire : Code Name Christiane Clouet: A Woman in the French Revolution : 20(1) 18-19
Childs, J. Rives : Vignettes, or Autobiographical Fragments : 3(4) 217
Chiles, J. R. : "Breaking codes was this couple's lifetime career," in *Smithsonian* : 12(1) 50 : 12(2) 119
Chmora, Andrew (Ed.) : Error Control, Cryptology, and Speech Compression : 19(3) 305-306
Chor, Ben-Zion : Two Issues in Public Key Cryptography, RSA Bit Security and a New Knapsack Type System : 11(1) 56-57
Christiansen, E. E. (Ed.) : Scholar's Guide to Intelligence Literature: Bibliography of the Russell J. Bowen Collection : 7(4) 375
Christofferson, P. : Crypto User's Handbook: A Guide for Implementors of Cryptographic Protection in Computer Systems : 13(3) 218
Christopher, Andrew : Her Majesty's Secret Service: The Making of the British Intelligence Community : 10(3) 186-187
Clark, Ronald : The Man Who Broke Purple: The Life of Colonel William F. Friedman, Who Deciphered the Japanese Code in World War II : 2(2) 122-123
Clarke, Barry : Puzzles for Pleasure : 19(3) 303-304
Clarke, Thurston : Pearl Harbor: A Journey to Hawaii Then and Now : 16(1) 3-5
Clausen, Henry C. : Pearl Harbor: Final Judgment : 17(1) 95-96
Cline, Marjorie W. (Ed.) : Foreign Intelligence Literary Scene : 15(4) 329-330
Cline, Ray S. : Secrets, Spies and Scholars : 2(2) 290
Cline, M. W. (Ed.) : Scholar's Guide to Intelligence Literature: Bibliography of the Russell J. Bowen Collection : 7(4) 375
Cline, M. W. (Ed.) : Teaching Intelligence in the Mid-1980's, A Survey of College and University Courses on The Subject of Intelligence : 10(3) 184-185
Cline, Marjorie W. (Ed.) : *World Intelligence Review* : 19(2) 212-213
Coe, Michael D. : Breaking the Maya Code : 17(1) 96-97
Cohen, Frederick B. : Protection and Privacy on the Information Superhighway : 19(4) 366
Comba, Paul G. : Exponentiation Cryptosystems on the IBM PC : 15(2) 168
Constantinides, G. C. : Intelligence and Espionage: An Analytical Bibliography : 8(1) 52-53 : 8(2) 129
Cook, B. F. : Greek Inscriptions : 13(1) 89-90
Cook, C. E.(Ed.) : Spread-Spectrum Communications : 9(4) 300-301
Cooke, Jean : Codes and Ciphers : 18(1) 13-14
Copes, Jan M.(Ed.) : To Die Gallantly: The Battle of the Atlantic : 20(3) 286
Copp, Dewitt S. : Sons of the Morning : 16(3) 241

Coppersmith, Don : "The Data Encryption Standard and its Strength Against Attacks," in *IBM Journal of Research and Development* : 19(2) 211-212
Coppersmith, Don (Ed.) : Advances in Cryptology: CRYPTO '95 : 20(1) 31-32
Cornick, Martyn : The French Secret Services : 18(2) 140
Corson, William R. : The Armies of Ignorance: The Rise of the American Intelligence Empire : 3(4) 217
Costello, Daniel J. Jr. (Ed.) : Communications and Cryptography: Two Sides of One Tapestry : 20(1) 32
Costello, J. : The Pacific War : 6(2) 165-166
Costello, John : Days of Infamy: MacArthur, Roosevelt, Churchill–The Shocking Truth Revealed: How Their Secret Deals and Strategic Blunders Caused Disasters at Pearl Harbor and the Philippines : 19(3) 301-302
Cot, N. (Ed.) : Advances in Cryptology : 11(1) 55
Coulmas, Florian : The Writing Systems of the World : 14(3) 239-240
Courter, G. : Code Ezra : 11(1) 52
Courville, J. B. : Manual for Cryptanalysis of the Columnar Double Transposition Cipher : 11(4) 248
Craig, C. Larry : Warlock: A New Matrix-Based Paradigm for Public-Key Cryptography [PC software] : 17(4) 394
Crichton, M. : Sphere : 12(1) 38
Cronin, Daniel J. : Microcomputer Security: Issues and Strategies : 13(4) 370
Cruickshank, C. : S. O. E. in Scandinavia : 12(4) 267

- D -

Dam, Kenneth (Ed.) : Cryptography's Role in Securing the Information Society : 20(4) 374-375
Damgard, I. B. (Ed.) : Advances in Cryptology: EUROCRYPT '90 : 16(1) 15-16
Daniels, Peter (Ed.) : Cryptography's Role in Securing the Information Society : 20(4) 374-375
Davies, D. W. : Tutorial: The Security of Data in Networks : 8(1) 52
Davies, D. W. : Security For Computer Networks: An Introduction to Data Security in Teleprocessing and Electronic Funds Transfer : 9(2) 186
Davies, Donald W. (Ed.) : Advances in Cryptology: EUROCRYPT '91 Proceedings : 16(4) 341-342
Davies, W. V. : Egyptian Hieroglyphics : 13(1) 89
Davis, Chris : Death by Fire : 20(2) 183-184
Davis, Donald M. : The Nature and Power of Mathematics : 18(2) 137-138
Dawson, Donald A. : Cryptanalysis of the Single Rotor Cipher Machine : 20(4) 373-374
Deacon, R. : Spyclopedia : 13(3) 239-240
Deavours, C. A. : Machine Cryptography and Modern Cryptanalysis : 10(1) 34-37
Deford, Frank : Love and Infamy : 18(2) 132-133
Delgado, James P. : Pearl Harbor Recalled: New Images of the Day of Infamy : 16(1) 7-8
DeMillo, R. A. (Ed.) : Foundations of Secure Computation : 6(2) 183
Denniston, A. G. : "The Government Code and Cypher School Between the Wars," in *Intelligence and National Security* : 11(4) 251
De Santis, Alfredo (Ed.) : Advances in Cryptology: EUROCRYPT '94 : 20(1) 32-33

Desmedt, Yuo G. (Ed.) : Advances in Cryptology: CRYPTO '94 Proceedings : 19(3) 307
Deutsch, H. : Clients of Ultra: American Captains : 10(1) 44
Devlin, Keith : All the Math That's Fit to Print: Articles from *The Manchester Guardian* : 20(1) 16-17
Devlin, Keith : Mathematics: The New Golden Age : 13(4) 373-374
Dewar, Col. Michael : The Art of Deception in Warfare : 14(3) 246
Dewdney, A. K. : The Magic Machine: A Handbook of Computer Sorcery : 15(2) 167
Dewdney, A. K. : The Turing Omnibus, 61 Excursions in Computer Science : 13(4) 366
Dexter, Colin : The Way Through the Woods : 17(4) 380
Dilks, D. (Ed.) : The Missing Dimension, Governments and Intelligence Communities in The Twentieth Century : 9(2) 183-184
Dillon, K. V. : Dec. 7, 1941: The Day the Japanese Attacked Pearl Harbor : 12(2) 127
Dillon, Katherine V. (Ed.) : The Pearl Harbor Papers: Inside the Japanese Plans : 18(1) 17-18
Doane, Michael : City of Light : 17(1) 110
Dobkin, D. P. (Ed.) : Foundations of Secure Computation : 6(2) 183
Dougall, E. G. (Ed.) : Computer Security: A Global Challenge : 10(2) 117-118
Drea, E. J. : Defending the Driniumor: Covering Force Operations in New Guinea, 1944 : 12(4) 268
Drea, Edward J. : "Ultra and the American War Against Japan: A Note on Sources," in *Intelligence and National Security* : 13(1) 93
Drea, Edward J. : MacArthur's ULTRA: Codebreaking and the War Against Japan 1942-1945 : 16(2) 184-185

- E -

Eadie, J. W. (Ed.) : The Craft of the Ancient Historians: Essays in Honor of Chester G. Starr : 11(1) 53
Eckler, Ross : Making the Alphabet Dance: Recreational Wordplay : 20(3) 280-281
Eco, Umberto : Foucault's Pendulum : 14(2) 184-185
Eco, Umberto : The Name of the Rose : 7(4) 377
Eftimiades, Nicholas: Chinese Intelligence Operations : 18(4) 391
Ehresmann, Julia M. : Geneva, Illinois: A History of Its Times and Places : 13(4) 360
Ellersick, F. W. (Ed.) : Spread-Spectrum Communications : 9(4) 300-301
Elliot, S. R. : Scarlet to Green: A History of Intelligence in the Canadian Army 1903-1963 : 10(3) 189-190
Enever, Ted : Britain's Best Secret: Ultra's Base at Bletchley Park : 20(1) 17
Enterline, James R. : "Cryptography in the Yale Vineland Map," in *Terrae Incognitae: The Journal for the History of Discoveries* : 17(1) 107-108
Erskine, Ralph : "Naval Enigma: The Breaking of Heimisch and Triton," in *Intelligence and National Security* : 13(1) 94
Evans, C. : The Making of the Micro, A History of the Computer : 7(3) 286 : 8(4) 367-368
Evans, Rob : The Campus Connection: Military Research on Campus : 17(2) 170

- F -

Fak, V. (Ed.) : Security, IFIP/Sec '83: Proceedings of the First Security Conference : 8(4) 365

Faligot, Roger : La Piscine: The French Secret Service Since 1944 : 14(1) 83-84
Feigenbaum, Joan (Ed. : Advances in Cryptology: Proceedings of CRYPTO '91 : 16(4) 341-342
Fell, Barry : America B. C. : 3(4) 217
Fell, Barry : Saga America : 4(4) 248-249
Fernandez, E. B. : Database Security and Integrity : 7(3) 278-279
Ferris, J. : "The Battle 'Enigma': Britain, Signals Security and Cipher Machines, 1906-1946," in *Defense Analysis* : 12(1) 46
Ferris, John (Ed.) : The British Army and Signals Intelligence During the First World War : 17(4) 386-387
Finch, J. H. (Ed.) : Computer Security: A Global Challenge : 10(2) 117-118
Finnegan, J. P. : Military Intelligence: A Picture History : 9(4) 302-303
Fites, P. E. : Control and Security of Computer Information Systems : 13(3) 228-229
Fitzgerald, Col. Stephen K. : Magic and Ultra in the China-Burma-India Theater : 18(1) 9
FitzGibbon, C. : Secret Intelligence in the Twentieth Century : 2(2) 265
Fitzgerald, P. : The Knox Brothers : 2(4) 331-333
Flem-Ath, R. : Canadian Security and Intelligence, A Bibliography 1945-1985 : 11(2) 124
Fletcher, Katy : Spy Fiction: A Connoiseur's Guide : 14(4) 370-371
Flowers, T. H. et al. : The Code-Breaking Computers of 1944 : 12(1) 43
Foerstel, Herbert N. : Secret Science: Federal Control of American Science and Technology : 18(1) 5-7
Follet, Ken : The Key to Rebecca : 6(2) 154
Fontaine, J. M. (Ed.) : Scholar's Guide to Intelligence Literature: Bibliography of the Russell J. Bowen Collection : 7(4) 375
Fontaine, Judith M. (Ed.) : Foreign Intelligence Literary Scene : 15(4) 329-330
Fontaine, Judith M. : Teaching Intelligence in the Mid-1990s: A Survey of College and University Courses on the Subject of Intelligence : 17(1) 101-102
Foot, George H. (Ed.) : *The Public Key: The Magazine Specializing in Public Key Cryptography* : 15(2) 171-172
Ford, Warwick : Computer Communications Security: Principles, Standard Protocols and Techniques : 18(3) 293-284
Foster, Caxton C. : Cryptanalysis for Microcomputers : 7(3) 284-285
Fowler, Mark : Codes and Ciphers : 19(4) 365-366
Frank, Richard B. : Guadalcanal: The Definitive Account of the Landmark Battle : 15(2) 169-171
Franke, H. W. : Die Geheime Hachricht : 8(1) 46
Franksen, O. I. : Mr. Babbage's Secret, The Tale of a Cypher – and APL : 9(2) 185 : 9(4) 383
Franksen, Ole I. : "Babbage and Cryptography, Or the Mystery of Admiral Beaufort's Cipher," in *Mathematics and Computers in Simulation* : 18(1) 12
Freadhoff, Chuck : Codename: Cipher : 16(1) 12-13
Freeman, Tom : Pearl Harbor Recalled: New Images of the Day of Infamy : 16(1) 7-8
Freemantle, B. : The Blind Run : 11(1) 58-59
Friedman, William F. : Advanced Military Cryptography, TM-11-485 : 17(3) 259-260
Friedman, William F. : Elementary Military Cryptography : 3(3) 190

Friedman, William F. : Elements of Cryptanalysis : 3(3) 190-191
Friedman, William F. : The Zimmermann Telegram of January 16, 1917 and Its Cryptographic Background : 3(3) 191
Friedrich, Johannes : Extinct Languages : 18(1) 19-20
Friendly, Alfred : Beaufort of the Admiralty: The Life of Sir Francis Beaufort 1774-1857 : 2(2) 257
Frisch, Markus : Public-Key Cryptography: State of the Art and Future Directions : 16(4) 342
Frost, Mike : Spyworld: Inside the Canadian and American Intelligence Establishments : 19(3) 308
Fumy, Walter : Kryptographie: Entwurf und analyse Symmetrischer Kryptosysteme : 14(1) 88

- G -

Gaddy, D. W. : Come Retribution: The Confederate Secret Service and the Assassination of Lincoln : 13(3) 225-226
Gaddy, David W. (Trans. & Ed.) : Essential Matters: A History of the Cryptologic Branch of the People's Army of VietNam 1945-1975 : 19(1) 102-103
Gallagher, Gary W. (Ed.) : Fighting for the Confederacy: The Personal Recollections of General Edward Porter Alexander : 14(1) 86-87
Ganley, M. J. : Cryptography and Coding III : 18(4) 397
Gannon, Michael : Operation Drumbeat: The Dramatic True Story of Germany's First U-Boat Attacks Along the American Coast in World War II : 15(1) 72-73
Gardner, M. : Knotted Doughnuts and Other Mathematical Entertainments : 11(2) 125-126
Garlinski, Josef : The Enigma War : 6(1) 61-63
Gaur, Albertine : A History of Writing : 17(4) 383-384
Gebhard, Louis A. : Evolution of Naval Radio-Electronics and Contributions of the Naval Research Laboratory : 7(3) 280-281
Gilbert, Martin : The Second World War: A Complete History : 14(2) 189-190
Gleason, N. : Fun with Codes and Ciphers Workbook : 12(1) 42-43
Goddard, Eldridge and Thelma : Cryptodyct : 2(2) 291
Godson, R. (Ed.) : Comparing Foreign Intelligence: The U. S., the USSR, the U. K. & the Third World : 13(3) 221-222
Godson, R. (Ed.) : Intelligence Requirements for the 1990s: Collection, Analysis, Counterintelligence, and Covert Action : 13(3) 229-230
Goldstein, D. M. : Dec. 7, 1941: The Day the Japanese Attacked Pearl Harbor : 12(2) 127
Goldstein, Donald M. (Ed.) : The Pearl Harbor Papers: Inside the Japanese Plans : 18(1) 17-18
Goldwasser, Shafi (Ed.) : Advances in Cryptology: Proceedings of CRYPTO '88 : 15(4) 327
Goncalves, Eddie : The Campus Connection: Military Research on Campus : 17(2) 170
Gonzalez-Crussi, F. : On the Nature of Things Erotic : 13(1) 88
Gooch, John (Ed.) : Decisive Campaigns of the Second World War : 15(1) 74
Gordievsky, Oleg : More Instructions from the Centre: Top Secret Files on KGB Global Operations, 1975-1985 : 16(4) 345

Govaerts, Renè : Computer Security and Industrial Cryptography: State of the Art and Evolution : 20(4) 368
Granatstein, J. L. : Spy Wars: Espionage and Canada from Gouzenko to Glasnost : 16(1) 20
Grant, Eleanor A. : The Kid's Book of Secret Codes, Signals, and Ciphers : 14(2) 192
Grant, R. G. : MI5/MI6: Britain's Security and Secret Intelligence Services : 14(3) 236
Graysmith, R. : Zodiac: The Full Story of the Infamous Unsolved Zodiac Murders in California : 10(2) 115
Grayson, William C. : Chicksands: A Millenium of History : 17(3) 251-253
Greenberg, Marin H. : Cloak and Dagger: A Treasury of 35 Great Espionage Stories : 13(3) 232
Greenfield, Jonathan S. : Distributed Programming Paradigms with Cryptography Applications : 20(1) 27-28
Grove, R. B. (Ed.) : The Best of 1982 Monitoring Times : 9(2) 178
Grove, R. B. (Ed.) : The Best of 1983 Monitoring Times : 9(2) 178
Grove, R. B. : The Listener's Handbook : 11(1) 56
Grove, R. B. (Ed.) : Shortwave Directory : 9(2) 178
Grove, R. B. : Shortwave Directory, A Frequency Guide for the 1.6-30 MHz Spectrum 11(1) 56
Gudgin, Peter : Military Intelligence: The British Story : 16(1) 16-17
Guild, N. : The Linz Tattoo : 11(2) 125
Guillon, Louis C. (Ed.) : Advances in Cryptology: EUROCRYPT '95 : 20(1) 33-34
Gunther, Christoph G. (Ed.) : Advances in Cryptology: EUROCRYPT '88 : 13(4) 366-367

- H -

Haefele, Walter R. : "George Washington, Espionage Chief," in *American History Illustrated* : 14(2) 192
Hafner, Katie : Cyberpunk: Outlaws and Hackers on the Computer Frontier : 15(4) 330-331
Haiao, D. K. : Computer Security : 6(2) 180-181
Haldane, Robert Aylmer : The Hidden World : 2(4) 365
Hall, J. O. : Come Retribution: The Confederate Secret Service and the Assassination of Lincoln : 13(3) 225-226
Hall, Manley P. : The Secret Teaching of All Ages... : 14(4) 363-364
Halpern, Samuel (Ed.) : In the Name of Intelligence: Essays in Honor of Walter Pforzheimer : 19(1) 97-101
Halter, Jon C. : Top Secret Projects of WW II : 3(4) 217
Hamm, D. L. : Military Intelligence: Its Heroes and Legends : 12(4) 268
Handel, Michael I. : Intelligence and Military Operations : 15(2) 174-175
Haney, Al : Operation Primrose ... A Matter of Piracy! : 17(4) 392-393
Hanson, D. : The Incursion : 12(1) 41
Harris, Charles H., III : The Border and the Revolution: Clandestine Activities of the Mexican Revolution: 1910-1920 : 17(1) 100-101
Harris, Robert : Enigma [A novel] : 20(1) 28-29
Harrison, Payne : Black Cipher : 19(3) 310-311
Haslach, R. D. : Nishi No Kaze, Hare : 10(2) 114
Haswell, Jock : Spies & Spymasters : 3(4) 217

Hawcock, David : Puzzle Power! Multidimensional Codes, Illusions, Numbers, and Brainteasers : 19(4) 365
Hawker, P. : "Electronic Cryptography, Codes, Ciphers, Communications and Computers," in *Wireless World* : 8(1) 48
Hawkes, E. : The Shadow of the Moth: A Novel of Espionage with Virginia Woolf : 8(1) 43
Hawton, Jeff : Secret Messages: A Collection of Puzzles Using Codes and Ciphers : 17(1) 103
Haynes, Alan : Invisible Power: The Elizabethan Secret Services, 1570-1603 : 17(3) 260-261
Heider, F. P. : Methoden der Kryptoanlyse : 13(4) 367
Heitman, Thomas F. : CRYPTO [PC software] : 14(3) 252
Held, Gilbert : Top Secret Data Encryption Techniques : 18(1) 1-2
Helleseth, Tor (Ed.) : Advances in Cryptology: EUROCRYPT '93 Proceedings : 19(1) 109-110
Hempfner, Philip and Tania : Pattern Word List For Divided and Undivided Cryptograms : 9(4) 301
Henhoeffer, William : The Intelligence War in 1941: A 50th Anniversary Perspective : 17(1) 97-98
Henson, M. P. : John Swift's Lost Silver Mines : 12(3) 186-187
Herda, Siegfried : Kryptographische Verfahren in der Datenverarbeitung : 6(1) 84
Hessler, Gunter : U-Boat War in the Atlantic 1939-1945 : 14(3) 247-248
Highland, H. J. : Protecting Your Microcomputer System : 8(4) 370
Hinsley, F. H. : British Intelligence in the Second World War: Its Influence on Strategy and Operations : 6(1) 65-74 : 8(2) 173-188: 13(1) 95
Hinsley, F. H. : British Intelligence in the Second World War, Vol. 3. Part I : 9(2) 181-182
Hinsley, F. H. : British Intelligence in the Second World War, Vol 4, Security and Counter-Intelligence : 16(4) 344-345
Hinsley, F. H. : Codebreakers: The Inside Story of Bletchley Park : 18(1) 11-12; 22-24
Hinsley, F. H. : Colossus and the German High-Grade Cyphers : 12(1) 43
Hinsley, Francis H. : British Intelligence in the Second World War, Abridged Edition : 18(1) 2-3
Hitchcock, Lt. Col. Walter T. (Ed.) : The Intelligence Revolution: A Historical Perspective : 16(2) 189-190
Hodges, Andrew : Alan Turing: The Enigma : 8(2) 130-131 : 8(4) 332-336
Hodgson, Godfrey : The Colonel: The Life and Wars of Henry Stimson : 15(1) 67-68
Hoffman, Lance J. (Ed.) : Building in Big Brother: The Cryptographic Policy Debate : 20(1) 28
Hoffman, Lance J. : Modern Methods for Computer Security and Privacy : 2(2) 148-150
Hoffman, P. : The Joys and Perils of Mathematics : 13(3) 226
Holmes, W. J. : Double-Edged Secrets : 4(2) 104-108
Holst, P. A. : Handbook of the Beale Ciphers : 6(1) 39
Holzman, A. G. (Ed.) : Encyclopedia of Computer Science and Technology : 6(2) 160-161
Hope, Jonathan : The Authorship of Shakespeare's Plays: A Socio-Linguistic Study : 19(3) 304-305
Horn, L. V. : Communications Satellites : 11(1) 56

Horster, P. : Approximative Public-Key-kryptosysteme : 14(1) 85
Horster, P. : Kryptologie : 10(2) 122
House, Jonathan M. : Military Intelligence, 1870-1991: A Research Guide : 19(1) 106-107
Hovanec, Helen : The Puzzler's Paradise - From the Garden of Eden to the Computer Age 3(4) 218
Howard, Michael : British Intelligence in the Second World War, Vol. 5: Strategic Deception 16(3) 237-238
Howlett, J. (Ed.) : A History of Computing in the Twentieth Century : 6(2) 161-162
Hoyt, D. B. (Ed.) : Computer Security Handbook : 12(4) 266
Hoyt, Douglas B. (Ed.) : Computer Security Handbook, 3rd ed. : 20(1) 26-27
Hoyt, Edwin P. : Pearl Harbor : 16(1) 7-8
Hruska, Jan (Ed.) : Computer Security Reference Book : 17(1) 105-106
Hruska, Jan : The PC Security Guide 1990-1991 : 14(4) 370
Huckle, Helen : The Secret Code Book : 19(4) 368
Huldt, B. (Ed.) : Clio Goes Spying: Eight Essays on the History of Intelligence : 9(2) 179
Hunt, Sir David : A Don at War : 15(1) 77-78
Hutt, A. E. (Ed.) : Computer Security Handbook : 12(4) 266
Hutt, Arthur E. (Ed.) : Computer Security Handbook, 3rd ed. : 20(1) 26-27
Hüttenhain, Erich : Die Geheimschriften des Fürstbistums Münster unter Christoph Bernhard von Galen, 1650-1678 : 1(4) 337

- I -

Icove, David : Computer Crime: A Crimefighter's Handbook : 20(1) 25
Imai, Hideki (Ed.) : Advances in Cryptology: ASIACRYPT '91 Proceedings : 18(2) 138-139
Ingemarsson, I. (Ed.) : Advances in Cryptology : 11(1) 55
Ingle, N. : Language Identification Table : 6(2) 181
Isselhorst, H. : Aproximative Public-Key-kryptosysteme : 14(1) 85

- J -

Jäckel, E. : Die Funkaufklarung und ihre Rolle im Zweiten Weltkreig : 5(1) 58
Jackson, Keith M. (Ed.) : Computer Security Reference Book : 17(1) 105-106
Jackson, Keith M. : The PC Security Guide 1990-1991 : 14(4) 370
Jackson, T. H. : From Number Theory to Secret Codes : 14(3) 239
James, E. : How to Keep a Secret : 3(4) 217
Janeczko, P. B. : Loads of Codes and Secret Ciphers : 9(2) 182
Jean, Georges : Writing: The Story of Alphabets and Scripts : 16(3) 245-246
Jeffreys-Jones, Rhodri : American Espionage: From Secret Service to CIA : 2(2) 266
Johnson, L. K. : A Season of Inquiry: The Senate Intelligence Investigation : 11(1) 60-61
Jones, Reginald V. : The Wizard War, British Scientific Intelligence 1939-1945 : 3(4) 219
Jones, A. K. (Ed.) : Foundations of Secure Computation : 6(2) 183

- K -

Kahn, David : Cryptology and the origins of spread spectrum : 9(2) 177

Kahn, David : Hitler's Spies: German Military Intelligence in World War II : 2(4) 322-323
Kahn, David : Kahn on Codes: Secrets of the New Cryptography : 8(2) 127-128
Kahn, David : Seizing the Enigma: The Race to Break the German U-Boat Codes, 1939-1943 : 15(3) 237-240
Kapera, Zdzislaw Jan (Ed.) : *The Enigma Bulletin* : 15(4) 331-332
Kaufman, Charlie : Network Security: Private Communication in a Public World : 19(3) 316
Kawano, Kenji : Warriors: Navaho Code Talkers : 15(3) 242-243
Keech, Scot : Ciphered : 6(2) 157
Keegan, John : The Price of Admiralty: The Evolution of Naval Warfare : 14(2) 185-186
Keegan, John : The Second World War : 14(3) 249-251
Kelly, Kevin : Out of Control: The Rising of the Neo-Biological Civilization : 18(4) 390
Kenda, Margaret : Math Wizardry for Kids Package : 20(1) 26
Kennedy, W. V. : Intelligence Warfare: Penetrating the Secret World of Today's Advanced Technology Conflict : 8(4) 364
Kent, A. (Ed.) : Encyclopedia of Computer Science and Technology : 6(2) 160-161
Kerr, D. S. : Computer Security : 6(2) 180-181
Kessler, Pamela : Undercover Washington: Touring the Sites Where Famous Spies Lived, Worked and Loved : 16(3) 246-247
Kimmett, Larry : The Attack on Pearl Harbor: An Illustrated History : 16(1) 5
Klarner, D. A. (Ed.) : The Mathematical Gardner : 6(2) 158
Klawans, Harold L. : The Jerusalem Code : 13(3) 231
Klingenfuss, J. : Radioteletype Code Manual, Tenth Edition : 12(4) 267-268 : Eleventh Edition : 15(4) 328
Kneitel, T. : Guide to Embassy and Espionage Communications : 11(4) 253
Kneitel, T. : The "Top Secret" Registry of U.S. Government Radio Frequencies (25 to 470 MHz) : 12(2) 123
Knight, R. C. : British Intelligence in the Second World War: Its Influence on Strategy and Operations : 6(1) 65-74 : 8(2) 173-188 : 9(3) 262-272
Knightley, P. : The Second Oldest Profession: Spies and Spying in the Twentieth Century : 11(4) 248-249
Knudson, R. L. : The Whole Spy Catalogue: An Espionage Lover's Guide : 12(1) 42
Koblitz, N. : A Course in Number Theory and Cryptography : 13(3) 241
Kochanowski, M. E. (Ed.) : Proceedings of Communications and Computer Security (COMSEC and COMPUSEC): Requirements, Opportunities, and Issues : 12(2) 126-127
Kohl, Herbert : A Book on Puzzlements: Play and Invention with Language : 6(2) 155
Konheim, A. G. : Cryptography: A Primer : 6(2) 175-176
Konheim, A. G. : "The IPS cryptographic programs," in *IBM Systems Journal* : 6(2) 182-183
Kozaczuk, W. : Enigma: How the German Machine Cipher Was Broken and How It Was Read by the Allies in World War II : 8(4) 366-367 : 9(4) 316-323
Kozaczuk, Wladyslaw : Secret Operation WICHER: Polish Mathematicians Crack the German Radio Cipher Enigma : 14(4) 365
Kranakis, E. : Primality and Cryptography : 11(1) 54
Kratz, M. P. J. : Control and Security of Computer Information : 13(3) 228-229

Kraus, D. : Mathematische Methoden der Kryptoanalyse : 13(4) 367
Krop, Pascal : The French Secret Service Since 1944: 14(1) 83-84
Kruh, Louis : Machine Cryptography and Modern Cryptanalysis : 10(1) 34-37
Krystosek, Paul : Cipher Tool [PC software] : 13(4) 359
Kullback, Solomon : Statistical Methods in Cryptanalysis : 1(2) 278-280 : 3(3) 190
Kurland, M. : The Spymaster's Handbook : 13(3) 217-218

- L -

Ladd, C. D. : 365 Cryptograms : 8(1) 48
Ladd, J. : Clandestine Warfare: Weapons and Equipment of the SOE and OSS : 13(4) 374-375
Lamphere, R. J. : The FBI-KGB War, A Special Agent's Story : 11(1) 58
Lancing, Lt. Col. (Ret.) Michael Lee : Senseless Secrets: The Failure of U.S. Military Intelligence from George Washington to the Present : 20(4) 369
Landau, Susan : Codes, Keys, and Conflicts: Report of a Special Panel of the ACM U. S. Public Policy Committed (USACM) June 1994 : 19(3) 314-315
Landreth, Bill : Out of the Inner Circle: The True Story of a Computer Intruder ... : 14(3) 234
Langhorne, Richard (Ed.) : Diplomacy and Intelligence During the Second World War: Essays in Honor of F. H. Hinsley : 10(3) 186
Laqueur, W. : A World of Secrets: The User and Limits of Intelligence : 10(2) 116
Lauer, Rudy F. : Computer Simulation of Classical Substitution Cryptographic Systems : 6(2) 157-158
Laurance, A. (Ed.) : Speculations : 8(1) 51-52
Lavington, Simon : Early British Computers, The Story of Vintage Computers and the People Who Built Them : 9(2) 176-177
Lawrence, V. B. (Ed.) : IEEE Communications Society's Tutorials in Modern Communications : 9(2) 183
Layton, Edwin T. : "And I Was There": Pearl Harbor and Midway – Breaking the Secrets 10(2) 110-111
Leary, P. : The Cryptographic Shakespeare : 12(1) 46-47
Leary, Penn : The Second Cryptographic Shakespeare : 14(4) 371
Ledden, Carol : The Sneak Snack: Logic Games, Mysteries and Quests : 20(1) 34
Lederer, Richard : The Play of Words: Fun & Games for Language Lovers : 15(1) 71-72
Lee, Bruce : Marching Orders: The Untold Story of World War II : 20(1) 21
Lee, Bruce : Pearl Harbor: Final Judgement : 17(1) 95-96
Leining, R. B. : Factoring with Hyper : 9(4) 295
Leiss, E. L. : Principles of Data Security : 8(4) 365-366
Lesser, Robert : A Celebration of Comic Art and Memorabilia : 1(2) 166
Levitov, Leo : Solution of the Voynich Manuscript: A Liturgical Manual for the Endura Rite of the Cathari Heresy, the Cult of Isis : 12(1) 47-48
Levitt, B. K. : Spread Spectrum Communications : 10(2) 119
Levy, Stephen : "Crypto Rebels," in *Wired* : 17(4) 382-383
Lewin, Ronald : Ultra Goes to War : 3(2) 122-126
Lewin, Ronald : The American Magic: Codes, Ciphers and the Defeat of Japan : 7(1) 79-82

Lewis, Frank W. : Solving Cipher Problems: Cryptanalysis, Probabilities and Diagnostics 16(3) 240
Lewis, G. A. (Ed.) : Intercept Station "C" From Olongapo Through the Evacuation of Corregidor, 1929-1942 : 7(4) 376
Lewis, Owen : "Principles of Cryptography," in *Intersec: The Journal of International Security* : 17(2) 170-171
Lidl, R. : Introduction to Finite Fields and Their Applications : 11(1) 61-62 : 19(2) 212
Liebman, Arthur (Ed.) : Tales of Espionage and Intrigue : 3(4) 218
Lienard, Bruno (Ed.) : Le Cryptogramme, la lettre des amateurs de cryptographie : 14(2) 184
Lin, Herbert (Ed.) : Cryptography's Role in Securing the Information Society : 20(4) 374-375
Lincoln, Henry : The Holy Place: Discovering the Eighth Wonder of the World : 15(4) 328
Lindsay, Franklin : Beacons in the Night: With the OSS and Tito's Partisans in Wartime Yugoslavia : 18(2) 130-131
Linz, Gerhard D. : Novice Notes: An Introduction to Cipher Reconstruction : 19(1) 105-106
Lipton, R. J. (Ed.) : Foundations of Secure Computation : 6(2) 183
Liston, Robert A. : The Pueblo Surrender: A Covert Action by the National Security Agency : 14(2) 187-189
Lloyd, Mark : The Guiness Book of Espionage : 20(1) 15
LoCicero, J. L. (Ed.) : IEEE Communications Society's Tutorials in Modern Communications : 9(2) 183
Longo, G. : Secure Digital Communications : 9(2) 182-183
Lorain, P. : Clandestine Operations : 7(4) 376-377
Lorain, Pierre : Armement Clandestin: S.O.E. France 1941-1944 : 4(3) 173-176
Love, Benjamin T. : The BeNDcrypt Methodology for Developing "Uncrackable" Batch Encryption Algorithms : 20(2) 191
Lovell, Mary S. : Cast No Shadow: The Life of the American Spy Who Changed the Course of World War II : 16(3) 243-244
Lowenthal, Mark M. : U.S. Intelligence, Evolution and Anatomy : 9(2) 184-185 2nd Ed. : 17(2) 168-169
Loxton, J. H. : Number Theory and Cryptography : 15(1) 76-77
Luby, Michael : Pseudorandomness and Cryptographic Applications : 20(2) 190-191
Lucky, Robert : Silicon Dreams: Information, Man, and Machine : 15(1) 70-71
Luger, Jack : Code Making and Code Breaking : 15(3) 241

- M -

MacAllister, Patrick : Puzzle Power! Multidimensional Codes, Illusions, Numbers, and Brainteasers 19(4) 365
MacDonald, J. : Great Battles of World War II : 11(4) 252
Mache, Wolfgang : Lexikon der Text- und Datenkommunikation : 17(2) 171
Mack, M. H. : "The IPS cryptographic programs," in *IBM Systems Journal* : 6(2) 182-183

Madnick, S. E. : Computer Security : 6(2) 180-181
Makrs, J. (Ed.) : The CIA File : 2(2) 290-291
Manchester, Richard B. : The Mammoth Book of Word Games : 2(2) 291
Mango, Karin N. : Codes, Ciphers and Other Secrets : 13(3) 222-223
Manne, R. : The Petrov Affair: Politics and Espionage : 13(1) 90
Manso, P. : The Shadow of the Moth: A Novel of Espionage with Virginia Woolf : 8(1) 43
Markle, Donald E. : Spies and Spymasters of the Civil War : 18(3) 286-287
Markoff, John : Cyberpunk: Outlaws and Hackers on the Computer Frontier : 15(4) 330-331
Marotta, M. E. : The Code Book: All About Unbreakable Codes and How to Use Them : 6(2) 181
Marrin, Albert : The Secret Armies: Spies, Counterspies, and Saboteurs in World War II : 14(3) 237-238
Marsh, Carole : New York Dingbats: Decipher Games, Stories and Activities from Code! : 16(3) 238-239
Marshall, Alan : Intelligence and Espionage in the Reign of Charles II, 1660-1685 : 19(3) 302-303
Martin, David C. : Wilderness of Mirrors : 6(1) 38
Mason, Simon : Secret Signals–The Euronumber Mystery : 16(1) 22
Masterton, Dorothy : Humorous Cryptograms : 20(2) 193
Matyas, Jr., Stephen M. : The Beale Ciphers, Containing Research Findings, and Documents and Data, as well as Several Predictions about How the Ciphers Were Constructed : 20(4) 370-371
Mau, E. E. : Create Word Puzzles With Your Microcomputer : 8(1) 44
Maurer, Ueli (Ed.) : Communications and Cryptography: Two Sides of One Tapestry : 20(1) 32
May, E. R. (Ed.) : Knowing One's Enemies: Intelligence Assessment Before the Two World Wars : 9(4) 294
McClain, Sally : Navaho Weapon : 19(1) 104-105
McClellan, H. : Number Theory in Digital Signal Processing : 5(4) 243-246
McCloy, Helen : The Imposter : 3(4) 218
McCormac, John : European Scrambling Systems, Circuits, Tactics and Techniques 2 : 16(1) 11
McCormick, Donald : Spy Fiction: A Connoiseur's Guide : 14(4) 370-371
McGinnis, George : Alaska: The Life and Times of Communication Intelligence through the Eyes of Those Who Served : 15(4) 333
McKay, C. G. : From Information to Intrigue: Studies in Secret Service Based on the Swedish Experience, 1939-1945 : 18(2) 133-134
McKee, Alexander : El Alamein: Ultra and the Three Battles : 18(1) 9-11
McKercher, B. J. C. (Ed.) : Go Spy the Land: Military Intelligence in History : 17(3) 256-257
McNeill, R. K. : "The IPS Cryptographic Programs," in *IBM Systems Journal* : 6(2) 182-183
Melchoir, I. : The Tombstone Cipher : 7(3) 284
Melton, H. Keith : CIA Special Weapons and Equipment: Spy Devices of the Cold War : 17(4) 391-392

Melton, H. Keith : OSS Special Weapons & Equipment: Spy Devices of World War II : 15(3) 244-245
Melton, H. Keith : The Ultimate Spy Book : 20(3) 284
Melton, K. : Clandestine Warfare: Weapons and Equipment of the SOE and OSS : 13(4) 374-375
Mendelsohn, Charles J. : The Zimmermann Telegram of January 16, 1917 and Its Cryptographic Background : 3(3) 191
Mendelsohn, John (Ed.) : Covert Warfare, Vols 1, 2 & 3 : 13(4) 364-366
Menezes, Alfred J. (Ed.) : Advances in Cryptology: Proceedings of CRYPTO '90 : 16(3) 242-243
Merkle, R. C. : Secrecy, Authentication, and Public Key Systems : 8(1) 45-46
Metropolis, N. (Ed.) : A History of Computing in the Twentieth Century : 6(2) 161-162
Milano, James V. : Soldiers, Spies, and the Rat Line : 20(3) 283-284
Miller, Edward S. : War Plan Orange: The U.S. Strategy to Defeat Japan 1897-1945 : 16(2) 186-187
Miller, Marvin : Who Dunnit? How to Be a Detective in Ten Easy Lessons : 16(3) 241
Miller, N. : Spying for America: The Hidden History of U.S. Intelligence : 13(4) 375-376
Milstein, L. B. (Ed.) : IEEE Communications Society's Tutorials in Modern Communications 9(2) 183
Milstein, L. B. (Ed.) : Spread-Spectrum Communications : 9(4) 300-301
Minnick, Wendell L. : Spies and Provocateurs: A Worldwide Encyclopedia of Persons Conducting Espionage and Covert Action : 17(1) 106-107
Mitchell, Chris (Ed.) : Cryptography and Coding II : 16(4) 342-343
Mittelholzer, Thomas (Ed.) : Communications and Cryptography: Two Sides of One Tapestry : 20(1) 32
Moll, Louise B. : Baffling Cryptograms : 20(4) 366
Moll, Louise B. : Clever Cryptograms : 19(3) 316
Moll, Louise B. : The Great Book of Cryptograms : 20(4) 366
Montagu, Ewen : Beyond Top Secret Ultra : 2(2) 258-259
Morgan, W. A. : Invasion on the Ether: Radio Intelligence at the Battle of St. Mihiel, September 1918 : 11(4) 252
Morris, C. : "Ultra's Poor Relations," *Intelligence and National Security* : 11(4) 250-251
Morris, Peter : The French Secret Services : 18(2) 140
Mrati, Mohammad : Origins of Arab Cryptography and Cryptanalysis : 17(2) 166-167
Mulligan, T. P. : "Spies, Ciphers, and 'Zitadelle': Intelligence and the Battle of Kursk, 1943," in *Journal of Contemporary History* : 12(1) 45
Mulligan, T. P. : "The German Navy Evaluates Its Cryptographic Security, October 1941," in *Military Affairs* : 12(1) 45-46
Murphy, Walter F. : The Roman Enigma : 6(2) 155 : 7(3) 284
Murray, W. : Ultra: Some Thoughts on Its Impact in The Second World War : 10(1) 44
Myers, L. W. : Spycom: Covert Communication Techniques of Underground : 17(1) 102-103

- N -

Nagy, G. : Decoding Substitution Ciphers by Means of Word Matching with Applications to OCR : 12(2) 121-122

Nalty, Bernard (Ed.) : Pearl Harbor and the War in the Pacific : 16(1) 8-9
Nash, Helen : Challenging Cryptograms : 19(3) 315-316
Nash, Helen : Humorous Cryptograms : 20(2) 193
Nash, N. Richard : East Wind Rain : 2(2) 290
National Security Agency: The Friedman Legacy: A Tribute to William and Elizebeth Friedman : 18(2) 136-137
Naval Cryptologic Veterans Association : *Cryptolog* : 18(3) 287
Nave, Eric : Betrayal at Pearl Harbor: How Churchill Lured Roosevelt into World War II : 16(1) 81-85
Nechvatal, James : Public-Key Cryptography, Computer Security : 17(3) 261
Nelson, Nigel : Codes : 19(3) 316
Neville, Katherine : The Eight : 13(3) 236-237
Newby, P. : Pears Advanced Word-Puzzler's Dictionary : 12(3) 185
Newby, Peter : Pears Word Games : 14(3) 241
Newman, D. B. (Ed.) : Secure Communications, in *IEEE J. on Selected Areas in Communications* : 13(4) 371-372
Nicholl, Charles : The Reckoning: The Murder of Christopher Marlowe : 18(4) 393
Nicholson, D. L. : Spread Spectrum Signal Design: LPE and AJ Systems : 12(4) 269
Nickell, J. : Uncovered - The Fabulous Silver Mines of Swift and Filson in *The Filson Club History Quarterly* : 12(3) 186-187
Nickell, Joe : Pen, Ink & Evidence: A Study of Writing and Writing Materials for the Penman,Collector, and Document Detective : 16(1) 10-11
Nichols, Randall K. : Classical Cryptography Course, Volume I : 20(4) 379-380
Nickels, Hamilton : Codemaster: Secrets of Making and Breaking Codes : 15(3) 243
Niederreiter, H. : Intro. to Finite Fields and Their Applications : 11(1) 61-62 : 19(2) 212
Noakes, J. (Ed.) : Intelligence and International Relations, 1900-1945 : 12(3) 187
Nolab, F. : Red Center : 11(4) 253
Norman, Bruce : Secret Warfare: The Battle of Codes and Ciphers : 15(2) 173-174
Norman, James : Ancestral Voices: Decoding Ancient Languages : 17(4) 393-394
Normot, Tod : The Will - A Modern Day Treasure Hunt : 6(2) 181
Norvill, Roy : Hermes Unveiled : 13(4) 362-363
Norvill, Roy : The Language of the Gods : 13(4) 362-363

- O -

Ober, J. (Ed.) : Craft of Ancient Historians: Essays in Honor of Chester G. Starr : 11(1) 53
Odlyzko, A. M. (Ed.) : Advances in Cryptology: CRYPTO '86 Proceedings : 12(2) 123
Ohaver, M. E. : Solving Cipher Secrets, A Collection of Weekly Articles from Flynn's Weekly Detective Fiction, 1927-1928 : 7(4) 377
O'Keefe, B. J. : Trapdoor : 13(3) 227
Omura, J. K. : Spread Spectrum Communications : 10(2) 119
O'Toole, G.J.A. : The Encyclopedia of American Intelligence and Espionage : 13(3) 223-224
O'Toole, George J. A. : Honorable Treachery: A History of U.S. Intelligence, Espionage, and Covert Action from the American Revolution to the CIA : 16(3) 239

- P -

Page, R. I. : Runes : 12(4) 265-266

Paillole, P. : Notre Espion Chez Hitler : 10(2) 113
Pallas, Norvin : Code Games : 2(2) 291-292
Palmer, K. : The Dream : 13(1) 96
Parekh, Radhi : Codes and Ciphers : 19(4) 365-366
Park, Joseph S. : AS/400 Security in a Client/Server Environment : 20(1) 20-21
Parker, Donn : Computer Security Reference Book : 17(1) 105-106
Parker, Frederick D. : Pearl Harbor Revisited: United States Navy Communications Communications Intelligence, 1924-1941 : 19(1) 103-104
Parpola, Asko : Deciphering the Indus Script : 19(3) 313-314
Parrish, T. : The Ultra Americans: The U.S. Role in Breaking the Nazi Codes : 10(3) 190-191
Parrish, Thomas : The American Codebreakers: The U.S. Role in Ultra : 15(3) 244
Patterson, K. : A Most Secret War : 12(2) 124
Patterson, W. : Mathematical Cryptology for Computer Scientists and Mathematicians : 12(1) 48
Patti, T. (Ed.) : *Cryptosystems Journal* : 13(3) 215-216 : 13(4) 370-371 : 14(3) 249 : 16(4) 343 : 19(3) 314
Peake, Hayden B. : The Reader's Guide to Intelligence Periodicals : 16(3) 245
Peake, Hayden B. (Ed.) : In the Name of Intelligence: Essays in Honor of Walter Pforzheimer : 19(1) 97-101
Pearson, Susan : The Spy Coce Caper : 16(3) 241-242
Peeri, E. : "Basic Cryptography: SBOEPN DQIFSST," in *Creative Computing* : 7(3) 286
Peignot, Jerome : du Chiffre : 14(3) 249
Penn, G. : The Amazing Story of the Zodiac Murders In California and Massachusetts 1966-1981 : 11(4) 250
Perec, Georges : A Void : 19(4) 370-371
Perec, Georges : Life, A User's Manual : 13(3) 238
Perlman, Radia : Network Security: Private Communication in a Public World : 19(3) 316
Peters, Elizabeth : The Dead Sea Cipher : 13(3) 238
Petersen, Neal H. : American Intelligence, 1775-1990: A Bibliographical Guide : 17(1) 104
Peterson, Ivars : Islands of Truth: A Mathematical Mystery Cruise : 15(1) 78
Peterson, Michael L. : "The Church Cryptogram: To Catch a Tory Spy," in *American History Illustrated* : 14(2) 192
Pfleeger, Charles P. : Security in Computing : 13(4) 361-362
Phillips, D. A. : Careers in Secret Operations: How to Be a Federal Intelligence Officer 9(4) 295
Pichler, F. (Ed.) : Advances in Cryptology: Eurocrypt'85 : 11(2) 128
Pickering, Fran : Incredible Code Book : 15(4) 327
Pickholtz, R. L. (Ed.) : Secure Communications, in *IEEE Journal on Selected Areas in Communication* : 13(4) 371-372
Pickover, Clifford A. : Computers and Imagination: Visual Adventures Beyond the Edge : 17(1) 104-105
Piekalkiewicz, Janusz : Rommel and the Secret War in North Africa, 1941-1943: Secret Intelligence in the North African Campaign : 17(1) 98-99
Pieprzyk, Josef (Ed.) : Advances in Cryptology: ASIACRYPT '94 : 20(1) 30-31

Pieprzyk, Josef (Ed.) : Advances in Cryptology: AUSCRYPT '90 : 16(1) 9-10
Pieprzyk, Josef : Cryptography: An Introduction to Computer Security : 13(4) 374
Piper, F. C. : Cryptography and Coding : 14(1) 85
Piper, F. C. : Secure Speech Communications : 10(2) 120
Pitts, R. E. (Ed.) : The Strategy of Electromagnetic Conflict : 6(2) 180
Podell, H. J. : Tutorial: Computer and Network Security : 11(2) 127
Polmar, Norman : "The Crypto Bandits," in *Air Force Magazine* : 14(3) 234-235
Polmar, Norman : Dictionary of Military Abbreviations : 19(1) 112
Polmar, Norman : Merchants of Treason: America's Secrets for Sale, From the Pueblo to the Present : 13(4) 369-370
Pomerance, C. (Ed.) : Advances in Cryptology: Proceedings of Crypto '87 : 13(3) 224-225
Porch, Douglas : The French Secret Service: From the Dreyfus Affair to the Gulf War : 20(1) 34-35
Potter, Lois : Secret Rites and Secret Writing: Royalist Literature, 1641-1660 : 16(1) 12
Poundstone, W. : Labyrinths of Reason: Paradoxes, Puzzles and the Frailty of Knowledge : 13(3) 229
Poundstone, William : Biggest Secrets: More Uncensored Truth About All Sorts of Stuff You Are Never Supposed to Know : 17(4) 388
Prados, John : Combined Fleet Decoded: The Secret History of American Intelligence and the Japanese Navy in World War II : 20(1) 22-23
Prange, G. W. : Pearl Harbor: The Verdict of History : 10(2) 112-113
Prange, G. W. : Dec. 7, 1941: The Day the Japanese Attacked Pearl Harbor : 12(2) 127
Preneel, Bart (Ed.) : Computer Security and Industrial Cryptography: State of the Art and Evolution : 20(4) 368
Prozini, Bill : Cloak and Dagger: A Treasury of 35 Great Espionage Stories : 13(3) 232
Pugh, Emerson W. : Building IBM: Shaping an Industry and Its Technology : 19(4) 372-373
Putney, D. T. : ULTRA and the Army Air Force in World War II : 12(3) 187-188

- Q -

Quirk, J. : The Central Intelligence Agency, A Photographic History : 11(2) 127
Quisquater, Jean-Jacques (Ed.) : Advances in Cryptology: EUROCRYPT '95 : 20(1) 33-34

- R -

Raggett, R. J. (Ed.) : Jane's Military Communications 1983 : 7(4) 375-376
Randell, Brian (Ed.) : The Origins of Digital Computers : 2(2) 291
Randell, Brian : The Colossus : 9(4) 296
Randolph, Boris : Cryptofun : 6(2) 157-158
Ransom, C. P. G. : British Intelligence in the Second World War: Its Influence on Strategy and Operations : 6(1) 65-74 : 8(2) 173-180 : 9(3) 262-272
Redmond, Kent C. : Project Whirlwind: The History of a Pioneer Concept : 9(2) 176-177
Regis, Margaret : The Attack on Pearl Harbor: An Illustrated History : 16(1) 5
Reiss, Hans P. : Kryptographie: Entwurf und Analyse Symmetrischer Kryptosysteme : 14(1) 88

Rejewski, Marian : "How Polish Mathematicians Broke the Enigma Cipher." in *Annals of the History of Computing* : 6(2) 162
Rejewski, Marian : How Polish Mathematicians Deciphered the Enigma : 9(4) 296-297
Relyea, H. C. (Ed.) : Striking a Balance: National Security and Scientific Freedom : 10(2) 115-116
Rendell, R. : Talking to Strange Men : 12(2) 123
Resnicow, H. : The Crossword Code : 11(2) 125
Rhee, Man Young : Cryptography and Secure Communications : 19(1) 111
Richelson, J. T. : The US Intelligence Community : 10(1) 43-44
Richelson, J. T. : The Ties That Bind: Intelligence Cooperation Between the UKUSA Countries – United Kingdom, the United States of America, Canada, Australia and New Zealand : 10(2) 121-122
Richelson, Jeffrey T. : A Century of Spies: Intelligence in the Twentieth Century : 20(1) 24
Richards, Nikki (Ed.) : *The Gold Puzzler Newsletter* : 18(4) 390
Richelson, Jeffrey T. : America's Secret Eyes in Space: The U.S. Keyhole Spy Satellite Program : 16(1) 17-18
Ritchie, D. : The Computer Pioneers: The Making of the Modern Computer : 11(2) 124-125
Ritchie, G. : "The Secret Code Machine," in *Creative Computing* : 7(3) 286
Rivest, R. L. (Ed.) : Advances in Cryptology: Proceedings of CRYPTO '82 : 7(4) 378
Rivest, Ronald L. (Ed.) : Advances in Cryptology: ASIACRYPT '91 Proceedings : 18(2) 138-139
Roach, Tom : Hobbyist's Guide to COMINT Collection and Analysis : 20(2) 190
Robertson, K. G. (Ed.) : British and American Approaches to Intelligence : 13(1) 92
Roehrig, Catherine : Fun with Hieroglyphics : 15(1) 76
Rohwer, Jürgen : Die Funkaufklarung und ihre Rolle im Zweiten Weltkreig : 5(1) 58
Rollema, D. W. : "Enigma, A Detailed Examination of the German World War II Cipher Machine and the Creaking of the Code," in *Wireless World* : 8(1) 48
Rollema, D. W. : Optical Communications – 1935 Style : 10(2) 122
Rota, G. C. (Ed.) : A History of Computing in the Twentieth Century : 6(2) 161-162
Roubaty, R. : ABC de Cryptographie avec Programmes en Basic : 12(4) 267
Rueppel, R. A. : Analysis and Design of Stream Ciphers : 12(2) 122
Runyon, Timothy (Ed.) : To Die Gallantly: The Battle of the Atlantic : 20(3) 286
Rusbridger, James : Betrayal at Pearl Harbor: How Churchill Lured Roosevelt into World War II : 16(1) 81-85
Russ, F. J. : The Crossword-Puzzle and Word-Puzzle Solver's Handbook A Unique Thesaurus : 11(1) 57
Russell, F. : The Secret War : 6(2) 168
Ryska, Norbert : Kryptographische Verfahren in der Datenverarbeitung : 6(1) 84

- S -

Safavi-Naini, Reihanah (Ed.) : Advances in Cryptology: ASIACRYPT '94 : 20(1) 30-31
Sale, Tony : "The Colossus of Bletchley Park," in *IEE Review* : 20(1) 25-26
Salomaa, A. : Computation and Automata : 10(1) 45

Salomaa, Arto : Public-Key Cryptography : 16(1) 17
Santoni, A. : Revue Internationale d'Histoire Militaire : 11(1) 55-56
Santoni, A. : Il Primo Ultra Secret: L'influenza delle decrittazioni britanniche sulle operazioni navali della guerra 1914-1918 : 11(1) 62-63
Sassoon, G. : The Radio Hacker's Code Book : 11(2) 124
Schaf, Frank L., Jr. (Ed.) : Intelligence, Espionage, Counterespionage, and Covert Operations: A Guide to Information Sources : 3(4) 218
Scheips, Paul J. (Ed.) : Military Signal Communications : 7(3) 281-283
Schilling, D. L. (Ed.) : Spread-Spectrum Communications : 9(4) 300-301
Schmidt, O. : Intelligences Secretes: Annales de LÉspionnage : 13(3) 221
Schmitt, Gary J. : Silent Warfare: Understanding the World of Intelligence : 18(1) 17
Schneier, Bruce : Applied Cryptography: Protocols, Algorithms and Source Code in C : 18(1) 18-19 : 2nd ed. : 20(3) 285
Schneier, Bruce : E-mail Security: How to Keep Your Electronic Messages Private : 19(3) 309
Schoenbaum, Samuel : Shakespeare's Lives : 18(1) 15-16
Scholtz, T. A. : Spread Spectrum Communications : 10(2) 119
Schroeder, M. R. : Number Theory in Science and Communication with Applications in Cryptography, Physics, Biology, Digital Information, and Computing : 9(4) 295
Schuetz, Arthur : Secret Service Unmasked : 4(4) 238-239
Schultz, E. : Internet Security for Business : 20(4) 376-377
Schwartau, Winn : Information Warfare: Chaos on the Electronic Superhighway : 19(2) 210-211
Schwartau, Winn : Terminal Compromise : 16(1) 21-22
Schwartz, A. : Gold and Silver, Silver and Gold : 13(3) 241
Sears, P. : Secret Writing, Keys to the Mysteries of Reading and Writing : 12(1) 48-49
Seberry, Jennifer (Ed.) : Advances in Cryptography: AUSCRYPT '92 Proceedings : 18(2) 138
Seberry, Jennifer : Cryptography: An Introduction to Computer Security : 13(4) 374
Seberry, Jenny : Advances in Cryptology: AUSCRYPT '90 : 16(1) 9-10
Seger, Karl : Computer Crime: A Crimefighter's Handbook: 20(1) 25
Sewell, R. F. (Ed.) : *The Public Key: The Magazine Specializing in Public Key Cryptography* : 15(2) 171-172
Sexton, Jr., Donal J. (Comp.) : Signals Intelligence in World War II: A Research Guide : 20(4) 377-378
Sgarro, Andrea : Crittografia: techniche di protezione dei data riservati : 16(4) 340
Shachtman, T. : The FBI-KGB War, A Special Agent's Story : 11(1) 58
Shane, Scott : No Such Agency : 20(2) 187-188
Sharman, Jackson R., III (Ed.) : Symposium on Intelligence Oversight, National Security, and Democracy : 14(1) 86
Shasha, D. : The Puzzling Adventures of Dr. Ecco : 13(3) 220
Shasha, Dennis : Codes, Puzzles and Conspiracy : 16(3) 244-245
Sheckels, H. D. : The Mysterious Death of Hamnet Shackspeare : 13(3) 235
Sherman, A. T. (Ed.) : Advances in Cryptology: Proceedings of CRYPTO '82 : 7(4) 378
Sheymov, Victor : Tower of Secrets: A Real Life Spy Thriller : 18(1) 3-4
Shulman, David : An Annotated Bibliography of Cryptography : 1(1) 27-42

Shulsky, Abram N. : Silent Warfare: Understanding the World of Intelligence : 16(3) 247-248; 2nd edition revised : 18(1) 17
Shumaker, Wayne : Natural Magic and Modern Science: Four Treatises 1590-1657 : 14(3) 245
Shumaker, Wayne : Renaissance Curiosa : 8(3) 235-240
Siegel, C. A. : Internet Security for Business : 20(4) 376-377
Simkins, C. A. G. : British Intelligence in the Second World War, Vol. IV, Security and Counter-Intelligence : 16(4) 344-345
Simmons, G. J. (Ed.) : *Proc. of the IEEE* May 1988, Special Section on Cryptology : 13(3) 218-219
Simmons, Gustavus J. (Ed.) : Contemporary Cryptology: The Science of Information Integrity : 16(3) 235-236
Simmons, Gustavus J. : Public-Key Cryptography: State of the Art and Future Directions : 16(4) 342
Simmons, Gustavus J. (Ed.) : Secure Communication and Asymmetric Cryptosystems : 8(3) 266-269
Simon, M. K. : Spread Spectrum Communications : 10(2) 119
Sinkov, Abraham : Elementary Cryptanaysis: A Mathematical Approach : 8(1) 44-45
Sisti, Gennaro : Indirizzo per la lettura greca dalle sue oscurità rischiarta : 2(2) 232-235
Skillen, Hugh : Knowledge Strengthens the Arm : 16(1) 18-19
Skillen, Hugh : Spies of the Airwaves: A History of Y Sections During the Second World War : 14(2) 190-191
Skillen, Hugh : The Enigma Symposium 1994 : 19(3) 300-301
Skillen, Hugh : The Enigma Symposium 1995 : 20(3) 281-282
Skillen, Hugh : The Y Compendium : 18(1) 7-9
Slackman, Michael : Target: Pearl Harbor : 15(1) 74-75
Slade, Robert : Robert Slade's Guide to Computer Viruses: How to Avoid Them, How to Get Rid of Them, and How to Get Help : 19(3) 310
Slocum, J. : Puzzles Old and New: How to Make and Solve Them : 13(3) 235-236
Slocum, Jerry : The Book of Ingenious & Diabolical Puzzles : 20(1) 23
Smid, Miles E. : Key Notarization System for Computer Networks : 4(2) 123-124
Smith, B. A. : The Shadow Warriors: OSS and the Origins of the CIA : 7(4) 378
Smith, Myron J., Jr. : Pearl Harbor, 1941: A Bibliography : 16(1) 2
Smith, Myron F. : The Secret Wars: A Guide to Sources In English. Vol. I, Intelligence, Propaganda and Psychological Warfare, Resistance Movements, and Secret Operations, 1939-1945 : 6(2) 167-168
Smith, Myron F. : The Secret Wars: A Guide to Sources in English. Vol. II, Intelligence, Propaganda and Psychological Warfare, Covert Operations, 1945-1980 : 6(2) 167-168
Smith, Myron F. : The Secret Wars: A Guide to Sources In English. Vol. III, International Terrorism, 1968-1980 : 6(2) 167-168
Smith, Stanley H. (Comp.(: Investigations of the Attack on Pearl Harbor: Index to Government Hearings : 15(3) 241-242
Smith, Thomas M. : Project Whirlwind: The History of a Pioneer Concept : 9(2) 176-177
Smith, Wilbur : The Seventh Scroll : 19(4) 374
Smoothey, Marion : Let's Investigate Codes and Sequences : 20(2) 186

Snyder, S. S. : Computer Advances Pioneered by Cryptologic Organizations : 9(4) 297
Sobol, Donald J. : Encyclopedia Brown's Book of Wacky Spies : 15(4) 326
Speciner, Mike : Network Security: Private Communication in a Public World : 19(3) 316
Spector, Ronald H. : Eagle Against the Sun: The American War With Japan : 9(2) 179-180
Spector, R. H. (Ed.) : Listening to the Enemy: Key Documents on the Role of Communications Intelligence in the War with Japan : 12(3) 190
Stafford, D. : Camp X : 12(2) 127
Stafford, David : Spy Wars: Espionage and Canada from Gouzenko to Glasnost : 16(1) 20
Stallings, William : Network and Internetwork Security: Principles and Practice : 19(2) 209-210
Stallings, William : Protect Your Privacy: The PGP User's Guide : 19(3) 311-312
Stanley, G. E. : The Codebreaker Kids : 12(2) 125
Stephan, John J. : Hawaii Under the Rising Sun: Japan's Plans for Conquest After Pearl Harbor : 13(4) 372
Stek, R. : An Electronic Holmes Companion : 12(3) 188
Stern, Nancy : From ENIAC to UNIVAC, An Appraisal of the Eckert-Mauchly Computers : 9(2) 176-177
Steury, D. P. : "Naval Intelligence, the Atlantic Campaign and the Sinking of the Bismarck: A Study in the Integration of Intelligence into the Conduct of Naval Warfare," in *Journal of Contemporary History* : 12(1) 44
Stewart, Charles : The Cipher-Ace Series [PC software] : 16(2) 188-189
Stewart, Ian : Game, Set, and Math: Enigmas and Conundrums : 15(2) 172
Stewart, Mary : Touch Not The Cat : 2(2) 291
Stillwell, P. (Ed.) : Air Raid: Pearl Harbor! Recollections of a Day of Infamy : 6(2) 166
Stinson, Douglas R. (Ed.) : Advances in Cryptology–CRYPTO '93 Proceedings : 18(4) 394
Stinson, Douglas R. : Cryptography: Theory and Practice : 20(1) 14-15
Stoler, Margaret G. : "Benjamin Church: Son of Liberty, Tory Spy," in *American History Illustrated* : 14(2) 192
Stoll, Clifford : The Cuckoo's Egg: Tracking a Spy Through the Maze of Computer Espionage : 14(1) 88-89
Stone, Rosetta Sherwood : The Cipher File and An Apologue : 3(4) 219
Strasser, Gerhard F. : Lingua Universalis: Kryptologie und Theorie der Universalsprachen im 16 und 17 Jahrhundert : 14(3) 246-247
Stripp, A. J. : "Breaking Japanese Codes," in *Intelligence and National Security* : 13(1) 93
Stripp, A. J. : Codebreaker in the Far East : 14(3) 238
Stripp, A. J. : Codebreakers: The Inside Story of Bletchley Park : 18(1) 11-12; 22-24
Stubblebine, Stuart G. : Message Integrity in Cryptographic Protocols : 18(1) 5
Summers, R. C. : Database Security and Integrity : 7(3) 278-279
Sutton, Willam G. (Ed.) : *The Cryptogram* : 19(1) 104
Syrett, David : The Defeat of the German U-Boats: The Battle of the Atlantic : 20(4) 375-376
Syversen, E. : Norse Runic Inscriptions: Their Long-Forgotten Cryptography : 8(1) 48

- T -

Tatlow, Ruth : Bach and the Riddle of the Number Alphabet : 15(4) 325-326

Thersites, J. : An Infinite Key Encryption System : 9(2) 178-179
Thomas, D. : "Foreign Armies East and German Military Intelligence in Russia 1941-45," in *Journal of Contemporary History* : 12(1) 45
Thomas, E. E. : British Intelligence in the Second World War: Its Influence on Strategy and Operations : 6(1) 65-74 : 8(2) 173-188 : 9(3) 262-272
Thomas, J. A. : An Infinite Key Encryption System : 9(2) 178-179
Thompson, Edmund R. (Ed.) : Secret New England: Spies of the American Revolution : 15(4) 334
Thompson, Leroy : The U.S. Army in Vietnam : 15(1) 75-76
Thompson, Robert S. : A Time for War: Franklin D. Roosevelt and the Path to Pearl Harbor 16(1) 5-7
Tidwell, W. A. : Come Retribution: The Confederate Secret Service and the Assassination of Lincoln : 13(3) 225-226
Tidwell, William A. : April '65: Confederate Covert Action in the American Civil War : 20(1) 15-16
Tilborg, H. C. A. van : An Introduction to Cryptology : 13(3) 220-221
Toland, John : Infamy: Pearl Harbor and Its Aftermath : 7(3) 279
Toland, John : Gods of War : 9(4) 296
Torrieri, Don J. : Principles of Military Communications Systems : 6(2) 159-160
Trefousse, H. L. : Pearl Harbor: The Continuing Controversy : 9(2) 180
Trithemius, Johannes : Polygraphie, Et Universelle Escriture Cabalistique de M. I. Tritheme Abbé : 3(1) 50
Tsujii, S. : Secure Communications in *IEEE J. on Selected Areas in Communications* : 13(4) 371-372
Tsujii, Shigeo (Ed.) : Cryptography and Security : 20(1) 29-30
Tunnell, James E. : Latest Intelligence: An International Directory of Codes Used by Government, Law Enforcement, Military, and Surveillance Agencies : 15(1) 73
Tuckerman, B. : "The IPS cryptographic programs," in *IBM Systems Journal* : 6(2) 182-183
Turn, Rein (Ed.) : Advances in Computer Security Systems : 6(2) 159 : 13(4) 368-369
Tzonis, Alexander : Hermes and the Golden Thinking Machine : 15(2) 169

- U -

U.S. Government : Computer Security and the Data Encryption Standard : 3(4) 218

- V -

Van Der Rhoer, Edward : Deadly Magic : 4(2) 104-108
van der Vat, Dan : The Pacific Campaign World War II: The U.S. Japanese Naval War, 1941-1945 : 16(2) 187-188
Van Dyke, Janice : Captivating Cryptograms : 20(4) 366
Vandewalle, Joos (Ed.) : Computer Security and Industrial Cryptography: State of the Art and Evolution : 20(4) 368
Vanstone, Scott A. (Ed.) : Advances in Cryptology: Proceedings of CRYPTO '90 : 16(3) 242-243

Viewmeister, P. : The Beale Treasure: A History of a Mystery : 12(2) 122
Volkman, E. : Secret Intelligence: The Inside Story of America's Espionage Empire
Volkman, Ernest : Spies: The Secret Agents Who Changed the Course of History : 19(1) 108-109 : 13(3) 233-234
Von Storch, William : Computer Crime: A Crimefighter's Handbook : 20(1) 25

- W -

Waldbaum, G. : "The IPS cryptographic programs," in *IBM Systems Journal* : 6(2) 182-183
Wandres, J. : "Bletchley Park: The Golden Goose Finally Cackles," in *Monitoring Times* : 20(2) 189
Wark, W. K. : The Ultimate Enemy: British Intelligence and Nazi Germany, 1933-1939 : 11(2) 123
Wark, Wesley K. (Ed.) : Espionage: Past, Present, Future? : 19(4) 397
Warner, P. : The Vital Link: The Story of Royal Signals, 1945-1985 : 13(4) 376-377
Warner, Philip : Secret Forces of World War II : 15(4) 332
Weber, R. E. (Ed.) : The Final Memoranda: Major General Ralph H. Van Deman, USA Ret., 1865-1952 : 13(1) 91
Weber, Ralph E. : Masked Dispatches: Cryptograms and Cryptology in American History, 1775-1900 : 18(2) 129-130
Weber, Ralph E. : United States Diplomatic Codes and Ciphers, 1775-1938 : 3(2) 96-99
Weintraub, Stanley : Long Day's Journey Into War: December 7, 1941 : 16(1) 2-3
Welchman, Gordon : The Hut Six Story: Breaking the Enigma Codes : 6(2) 162-165
Welchman, Gordon : "From Polish Bomba to British Bombe: The Birth of Ultra," in *Intelligence and National Security* : 11(4) 251
Welschenbach, M. : Mathematische Methoden der Kryptoanalyse : 13(4) 367
Welsh, D. : Codes and Cryptography : 13(3) 239
Wertheim, Eric : Dictionary of Military Abbreviations : 19(1) 112
West, Dalton (Ed.) : Foreign Intelligence Literary Scene : 15(4) 329-330
West, N. : M16: British Secret Intelligence Service Operations, 1909-1945 : 9(2) 181
West, N. : A Thread of Deceit: Espionage Myths of World War II : 9(4) 300
West, N. : GCHQ: The Secret Wireless War 1900-1986 : 11(1) 62
West, Nigel (Ed.) : The Faber Book of Treachery : 20(4) 369-370
West, Nigel : The SIGINT Secrets: The Signals Intelligence War, 1900 to Today Including the Persecution of Gordon Welchman : 13(3) 231-232
Wheeler, D. D. : "Basic Cryptography: SBOEPN DJQIFST," in *Creative Computing* : 7(3) 286
White, William : The Microdot: History and Application : 18(4) 395
Whitemore, Hugh : Breaking the Code : 11(2) 81-84 : 12(2) 124
Whiting, Charles : The Spymasters : 2(2) 290
Whittal, James P., Jr. : Myth Makers: Epigraphic Illusion in America : 16(1) 19-20
Wicker, Stephen R. (Ed.) : Error Control, Cryptology, and Speech Compression : 19(3) 305-306
Wildman, Ted : The Expendables : 10(1) 45
Wilkins, John : The Mathematical & Philosophical Works of the Right : 3(4) 217

Wilkins, John : Mercury, Or the Swift and Secret Messenger : 13(4) 359-360
Wilkinson, Burt (Ed.) : Cry Spy : 2(2) 290
Wilkinson, Richard H. : Symbol and Magic in Egyptian Art : 18(3) 281-282
Williams, H. C. : Advances in Cryptology - Crypto '85 Proceedings : 11(2) 128
Williams, J. J. : Cryptanalysis Techniques : 11(1) 60
Williams, Kit : Masquerade : 5(3) 155-157
Williams, Michael R. : A History of Computing Technology : 10(2) 120
Williams, Phyllis S. : Math Wizardry for Kids Package: 20(1) 26
Williams, Stephen : Fantastic Archaeology: The Wild Side of North American Prehistory : 16(1) 21
Williams, Wayne R. : The Dell Book of Cryptograms : 14(3) 248
Wilson, Ann : "Historic Fabyan Forest Preserve," in *Geneva Quarterly Magazine* : 13(3) 232
Winks, Robin W. : Cloak and Gown: Scholars in the Secret War, 1939-1961 : 12(1) 40
Winn, Dilys (Ed.) : Murder Ink: The Mystery Reader's Companion : 3(4) 218
Winterbotham, F. W. : The Ultra Spy: An Autobiography : 14(3) 236-237
Winton, John : Ultra At Sea : 13(1) 94-95 : 13(4) 361
Winton, John : Ultra in the Pacific: How Breaking Japanese Codes and Cyphers Affected Naval Operations Against Japan, 1941-1945 : 18(3) 282-283
Wood, C. : Database Security and Integrity : 7(3) 278-279
Woods, David L. (Ed.) : Signaling and Communicating at Sea : 7(3) 281-183
Woodward, B. : Veil: The Secret Wars of the CIA 1981-1987 : 12(3) 191-192
Woytak, R. A. : The Origins of the Ultra-Secret Code in Poland, 1937-1938 : 10(1) 44-45
Woytak, Richard : "Polish Military Intelligence and Enigma," in *East European Quarterly* : 16(4) 287
Wright, G. : Blood Enemies : 12(1) 37
Wright, J. R. : Secure Communications: Cryptographic Programs for the Inexpensive Timex/Sinclair Microcomputer : 8(4) 364
Wright, P. : Spycatcher; Candid Autobiography of Senior Intelligence Officer : 12(1) 43
Wrixton, Fred B. : Codes, Ciphers, and Secret Languages : 13(4) 367-368
Wu, William W. : Elements of Digital Satellite Communication : 10(2) 118

- Y -

Yardley, H. O. : The Chinese Black Chamber: An Adventure in Espionage : 8(1) 53 : 8(2) 129-130
Yeargin, Ray : HIPERcrypt [PC software] : 14(3) 252
Yost, G. : Spy-Tech : 10(1) 43
Yuliang Zheng (Ed.) : Advances in Cryptology: AUSCRYPT '92 Proceedings : 18(2) 138

- Z -

Zimmerman, Philip R. : The Official PGP User's Guide : 19(4) 368
Zorpette, G. : "Breaking the enemy's code: British intelligence and the Colossus computer" in *IEEE Spectrum* : 12(2) 124
Zorpette, Glenn : "The Edison of Secret Codes," in *Invention and Technology* : 18(4) 392

- Author Not Attributed -

ALEX Undercover Detective Activity Kit : 20(3) 285-286
Applied Cryptology, Cryptographic Protocols, and Computer Security Models : 9(2) 185-186
The Best of Create-A-Code : 6(2) 156
Captain Midnight Decoder Badge : 20(2) 188-189
Ciphers : 8(1) 53
Clandestine Confidential (newsletter) : 10(3) 189
Classical Cryptography Correspondence Course, American Cryptogram Association : 20(1) 35-36
Code Kit [children's game] : 15(1) 77
Computer Security : 12(1) 42
Crypto: A Computer Game : 14(3) 237
Cryptogram Detective : 11(1) 55
Cryptography and Cryptographic Hardware (Aug 83–Present) : 18(1) 15
Cryptosystems Journal : 12(4) 265
Data Security Reference Guide 1991/1992 : 15(4) 332-333
Datapro Reports on Information Security : 11(1) 54
Decipher II: The puzzle worth $100,000 : 10(2) 114
Decipher III : 14(2) 190
Decipher, Inc. Pente Games, Inc. : 8(1) 43
Defending Secrets, Sharing Data: New Locks and Keys for Electronic Information : 12(2) 125-126
Designs, Codes and Cryptography : 15(1) 78-79 : 20(4) 372-373
Gram Kracker, A Computer Game : 12(1) 50 : 12(2) 119
IEEE Network Magazine : 12(1) 49-50 : 12(2) 118-119
IEEE Transactions on Software Engineering : 12(1) 49 : 12(2) 118
Information Age : 11(1) 60
Intelligence and National Security : 13(1) 93
"Intelligence Services During the Second World War," in *Journal of Contemporary History* : 12(1) 44
Journal of Contemporary History : 13(1) 92-93
Journal of Cryptography : 13(1) 91
International Journal of Intelligence and Counterintelligence : 11(2) 128
Journal of Supercomputing : 12(1) 37
Look What I Found: Making Codes and Solving Mysteries : 20(3) 288
Military Electronics : 8(1) 49
Monitoring Times : 8(2) 130 : 11(1) 56
net.Genesis : Build a World Wide Web Commerce Center; Plan, Program & Manage Internet Commerce for Your Company : 20(4) 366-367
The Numbers Factsheet (Ed. "Harvest Moon," pseudonym) : 14(4) 364-365
Proceedings of the 1986 IEEE Symposium on Security and Privacy : 11(2) 126-127
Proceedings of the Third Beale Cipher Symposium 1981 : 8(1) 49
Proceedings of the Fourth Beale Cipher Symposium 1986 : 12(1) 40-41
Recreational and Educational Computing Newsletter : 11(1) 55

The Reminiscences of Captain Thomas H. Dyer, US Navy (Retired) : 12(3) 190-191
Resource Reports on Intelligence for Teaching Faculty : 10(3) 185
Revue d'Histoire de la Deuxiè me Guerre Mondiale : 10(2) 111-112
Secret War, The, Vol 3: Deadly Waves & Still Secret [Videotape] : 13(3) 234
Secrets of a Superhacker : 18(2) 136
Sekret Enigmy (The Enigma Secret) [video tape] : 20(2) 185-186
SOE Secret Operations Manual : 18(1) 14
Speech and Facsimile Scrambling and Decoding : 6 (2) 182
Spies and Codes ("A. N. Agent," pseudonym) : 14(3) 248
Spies, Scouts and Raiders: Irregular Operations (The Civil War) : 11(1) 53
Spy Master Code Kit : 20(2) 185
Top Secret Studies on U.S. Communications Intelligence During World War II [Microfilm] 16(2) 185-186
Ultra : 9(4) 298-299
ULTRA and the History of the United States Air Force in Europe vs. the German Air Force 7(3) 281
Uno, Dos, Cuatro: A Guide to the Numbers Stations ("Havana Moon", pseudonym) : 11(4) 249
World War II Investigator : 12(4) 266
Who, What and Where in Communications Security : 5(4) 208
World War II: Time-Life Books History of the Second World War : 14(3) 245-246
Young Detective: A First Activity Pack : 20(1) 19

CRYPTOLOGIA ILLUSTRATION INDEX – 1977-1996

NOTE ON ILLUSTRATION INDEX

This is an index of illustrations which have appeared in the first twenty years of *Cryptologia*, 1977-1996. The illustrations indexed are of persons, places and devices.

Omitted are mathematical curves and tables. The conventions f and ff mark the first page of articles containing more than one illustration of the same subject.

- A -

A-22 cryptograph 5(3) 175ff
Adleman, Len 7(1) 3f
Aitken, J. M. 3(2) 70
Alberti, Leon Battista 19(4) cover
disk of 1(1) 70
Albright, Maj. Owen S. 13(4) 336
Alexander, C. H. O'D 3(2) 70
Anderson, Sgt. H. G. 11(3) 132
Arlington Hall Station 9(4) 306
Army Security Agency staff, 9 Aug. 1946 19(2) cover
Autocryptograph 8(1) 78ff

- B -

B-21 cryptograph 7(4) 334ff
Bacon, Francis 19(1) 28
Baconian cipher photograph 3(4) 236ff
Barletta, Maria 20(2) 133
Barlow, Lt. William M. 12(2) 66
Bavarian dot cipher 1(3) 261f
Bazeries cylindrical cryptograph 5(4) 196 : 19(4) 385
Beardall, Capt. John R. 16(4) 299
Beaufort tableau 2(1) 2 2(2) 162
Beeson, Capt. Charles H. 12(2) 66
Bergen No. 1 inscription 8(4) 308
Berkovich, Dave 8(3) 207
Bicher, Col. George A. 19(2) cover
Bicknell, Lt. George W. 12(2) 66
Bideault, Georges 19(3) cover, 228

Birch, Frank 12(1) 53
Bletchley Park 3(2) 123 11(3) 130 : 12(2) 92
Bombe, cryptological 6(1) 18 : 9(4) 333f : 14(4) 369
Boone, Col. Ronald A. : 16(4) 300
Borman, Rudolph, house of 11(3) 136
Bottger, Max 9(1) 2
Brahmi script 11(3) 191 : 12(3) 130ff
Bundy, William P. 11(2) 66
Buonafalce, Augusto 20(2) 133
Byrne, John F. 3(3) 137 : : 14(3) cover

- C -

Callimahos, Lambros 15(3) 220
Campaigne, LtCmdr Howard H. 11(3) 132
Canada
  cryptanalytic organization : 16(1) 30
  "Victory" five-cent coin : 1(3) 275
Canstatt, von, 6-pin telegraph 13(2) 101
Captain Midnight cryptograph 20(2) cover
Carver, Capt. Emmet K. 12(2) 66
CD-57 cryptograph 1(3) 255ff
Chamberlain, Mac 3(2) 70
Childs, J. Rives 9(1) 23
Churchill, Gen. Marlborough 9(1) 14
Churchill, Winston 13(2) 123
Cipher disks, unknown 8(2) 187ff : 8(4) 369
Cipher typewriter 15(1) 30ff
Clancy, George 3(3) 137
Clarke, BGen Carter W. 7(2) 120
Clarke, LtCmdr William F. 11(4) 220
Clavis polygraphiae 17(4) 379
Cobra device: Bay at Eastcote 20(4) 294
Cobra device: Bench set-up 20(4) 304
Collange, Gabriel de 14(2) cover
Colle, Jacque 10(4) 231f
Collins CR-200/220 Data Security Unit 5(1) 46ff
Colossus machine 10(4) 240 : 13(2) 112
Coral Sea, battle of 7(2) 97ff
Corderman, Gen. Preston 18(3) 193
Cornforth, J. W. 3(2) 70
Correll, Rev. Irving H. 9(1) 27
Cotton, Joseph P. 12(2) 74
CP-III One-Time Pad Manual Cryptograph 3(4) 206f
Cryptanalysis engine, block diagram 14(3) 268
Cryptomatic HC-520 cryptograph 4(1) 5ff
Cryptomenytices 7(3) cover, 193ff

CSI-10 Cryptographic Unit 7(1) 83ff
CSP 1756 Call Sign Encryption Device 8(3) 223
CSP 889/2900 Electric Cipher Machine 8(3) 224
Curwell, Nita 15(2) cover
Cyclometer 6(1) 12ff
Cylinder cryptograph, unidentified 19(4) 387, 388

- D -

DC-26 Base Station cryptograph 2(2) 176
Deckblaetter 10(3) 137f
Decrypt of alpha signal 20(4) 338
Dee, Dr. John, Enoch his Book of 8(3) 236
Dello Scrivere in Cifra 20(2) 133
Denniston, Cmdr Alastair 12(1) 54
Devanagari script 11(3) 187ff : 12(2) 131ff
Dewey, Thomas E. 7(2) 7(2) cover, 125
DH-26 Electronic Code Book cryptograph 2(2) 172ff
Double A logogram 20(3) cover, 226
Driscoll, Agnes Meyer 15(1) 55
Ducros' Scotograph 5(4) 197
Dundee Society diploma 11(1) 48

- E -

ECM Mark I cryptograph 18(4) 388
Eighteenth-century cipher office 15(1) cover
Electro-Crypto Model B-1 cryptograph 2(4) 345
Enigma cryptograph 1(4) 381ff : 3(2) 124f : 6(1) cover, 49, 74 : 7(4) 291ff : 8(3) 221 : 9(1) 45
  Army version of 5(3) cover
  disassembled 19(1) 66ff
  field use 19(1) 78
  four-rotor 6(1) 2ff
  Japanese 9(1) 49
  messages produced by 14(4) 342
  mistaken for Purple machine 18(3) 251

- F -

Fabyan, Col. George 3(4) 236 : 13(4) 330 : 19(1) 25
  circa 1915 17(1) 80
  gravesite 18(3) 207
  memorial plaque 17(4) cover
Faurer, Lt. Gen. Lincoln D. 5(4) 212
Field, Cyrus W. 19(4) 328
Finger ciphers 4(3) cover, 141ff
Fletcher, RAdm Frank Jack 7(2) 99
Flicke, Wilhelm 9(1) 2

Folger cipher 7(1) 36
solved 7(3) 220ff
Folger, Robert Benjamin 7(3) 232
Friedman, Elizebeth 2(1) 90
at Arlington Hall station 18(4) cover
in Baconian cipher photograph 3(4) 236
with Riverbank staff, 1916 15(2) cover
Friedman, William F.
at Cornell 1913 4(1) cover, 26
comments in American Black Chamber 9(1) 29, 31
in Baconian cipher photograph 3(4) 236
in 1927 15(3) cover
patents of 2(1) 39ff
with Army Security Agency staff 19(2) cover
with Elizebeth 2(1) 90
with Verna Lehman 4(1) 25
with Lambros Callimahos and Brigadier Tiltman 15(3) 220
Frier, James H., Jr. 19(2) cover

- G -

Galimberti, Nicolò 20(2) 133
Gallup, Elizabeth Wells 15(2) cover
circa 1915 17(1) 84
Geheimschreibern cryptographs 3(4) cover, 210, 214 : 10(4) cover, 231ff : 11(3) 135
German communications equipment, World War Two 11(3) 138ff
German Navy code book 4(1) 55
Gewald, Heinrich 17(3) 243
Goering, Hermann, house of 11(3) 136
Golombek, Harry 3(2) 70
Good, I. J. (Jack) 3(2) 65, 70
Gough, Michael 11(2) 81
Griepenstierna cipher machine 18(3) 207
Grotjan, Genevieve 15(4) 293
Guderian, Gen. Heinz 19(1) 78
Guelker, Frank T. 8(3) 204, 207

- H -

Hagelin B-211 cryptograph 18(4) 389
Hagelin, Boris 18(3) cover
Hagelin Cryptographer Type C-52 3(2) 78ff
Hagelin cryptographs, historical survey of 18(3) 208ff
"Hand of the Mysteries, the" 14(4) cover
Hardie, Bradford 11(1) 41
Harrison, Leland 9(1) 23
Hatheway, Capt. 12(2) 66
Hayes, Col. Harold G. 19(2) cover

HC-9 cryptograph 13(3) 251ff
Heavener inscription 8(4) 313ff
Hebern cryptograph 1(2) 169ff : 20(2) 182
Hebern Electric Coding Machine 7(1) cover : 8(3) 218 : 12(3) cover
Heidelberg Castle 11(3) 133
Heizenrater, Richard 2(3) 260
Hellman, Martin 7(1) 3
Heraldry, cryptological 8(4) cover, 290ff : 9(4) 304
Herrington, Sec. 11(1) 52
Hilton, Peter J. 3(2) 70
Hitler, Adolph 13(3) 197
    house of 11(3) 137
Hiss, Alger 19(3) cover
Hitt, Col Parker 17(2) cover
    strip cipher cryptograph 5(4) 198
Hoin, PFC William E. 11(3) 132
Hole, Sidney, cryptograph of 8(2) 115ff
Hooper, Capt. Stanford C. 11(3) 158
Hoover, Herbert H. 12(2) 73
Hoover, J. Edgar, radiogram of 3(3) 166f
Hopkins, Harry L. 13(2) 124
Howells, LAC L. H. 11(3) 132
Hull, Cordell 13(2) 129
Hungarian decipherment of diplomatic telegram 20(4) 353

- I -

Indus script 11(3) 190f : 12(2) 131ff
Indus-Sarasvatısignboard 20(3) cover, 276
Intercept organization reporting to *Bundeswehr* 20(3) 218

- J -

Jacobi, Derek 11(2) 81f
Jacobs, Walter W. 3(2) 70
Japanese
    cipher device, alleged 18(2 cover
    codebook of the 1940s 19(4) 382-383
    Jade cryptograph 18(4) 387
    Purple cryptograph 18(4) 387
Jones, Hamill D. 19(2) cover
Joyce, James 3(3) 137
Julius Pickenpack, German trawler 17(3) 242

- K -

Kingigtorssuaq inscription 8(4) 305
Klotz, Lt. Robert G. 12(2) 66
Knott, Capt. Thomas A. 12(2) 66

Knotted string cipher 20(3) 235
Kruh, Louis 1(4) 373
Kryha Cipher Machine 9(1) 42
Kryha Liliput cryptograph 9(3) cover, 253ff
Kullbach, Solomon 19(2) cover
Kun, Béla, cipher telegram to 20(4) 352
Kunsemueller, Guillermo 7(2) 141
Kuzminski, Stan 8(3) 207
KW-26 cryptograph 8(3) 227

- L -

Lauenburg, German trawler
Lehman, Verna 4(1) 25
    family of 4(1) 25
Letter locks 5(4) cover, 200ff
Levenson, Art 3(2) 70
Levin, Ronald 3(2) 122
Lewis, Frank W. 14(1) 13
Little Brickhill manor house 11(3) 131
Little Orphan Annie secret message ring 19(1) cover
Lorenz
    Schluesselzusatz (SZ-40) 18(4) 386
    SZ-42 cryptograph 19(1) 40ff
    telegraph equipment 13(2) 114ff
Lovell ciphers 2(1) 81
Ludwigshafen 11(3) 131
Luquiens, Capt. Frederick B. 12(2) 66

- M -

M-94 cryptograph 1(1) 13 : 5(4) 193 : 11(2) 120ff : 19(4) 386, 388
    disassembled 17(1) 89
M-136 cryptograph 19(4) 388
M-138-A strip cipher cryptograph 5(4) 194
M-209 (Hagelin) cryptograph 8(3) 222
M-325 cryptograph 1(2) 144ff
MA4210 Alphanumeric Pocket Cipher cryptograph 1(4) 334f
Mache, Deborah 10(4) 231, 233
"Magic" diplomatic summary 19(3) 218, 226
Manly, John 9(1) 21 : 12(2) 66
Marshall, Gen. George C. 7(2) cover, 121ff : 13(2) 129
Marvin, Capt. Robert H. 12(2) 66
Masonic ciphers 7(1) 27ff
Masquerade treasure-hunt novel 5(3) 155ff
Mauborgne, Joseph O. 12(2) 84
    cylindrical cryptograph of 5(4) 198
Mayan hieroglyphs 1(2) 108ff

McGrail, A. J., comments in American Black Chamber 9(1) 30
McIntosh, Maj. Angus 11(3) 132
Mead, Lt. David 18(3) 193
Mecano-Crypto cryptograph
Model A-1 2(3) 248ff
Model A-2 2(4) 339
Model A-4 2(4) 342ff
Mendelson, Capt. Charles 12(2) 66
comments in *American Black Chamber* 9(1) 31
Meyer, Agnes (*See* Driscoll, Agnes Meyer)
Military Intelligence Sphinx, the 13(1) cover, 82
Minckler, Col. Rex W., at Arlington Hall Station 18(4) cover
Molotov, Vyacheslav 19(3) 231
Monge, Alf 8(4) 303
Moorman, Frank 9(1) 23
Mr. Babbage's Secret 9(1) cover
Multiplex cryptographs (*See also* M-94; M-136) 19(4) 385-388
Musical ciphers 3(4) 193ff : 232 : 6(2) 178 : 6(3) cover : 20(3) 234

- N -

Nachrichtenvorschrift der Kriegsmarine, page 1 of Appendix 18 20(4) 331
National Cryptologic Museum 18(4) 381-389
Naval Cryptographic Museum 8(3) 209ff
Nolan, Maj. Gen. Dennis E. 9(1) 14
Norland, Lt. Selmer S. 11(3) 132
Novopaschenny, Dr. 9(1) 2
Noyes, RADM Leigh H. 13(4) 346
NSS satellite surveillance system 8(1) 9ff
Null code, White House 4(2) 120f

- O -

Oeser, W/Cmdr. Oscar A. 11(3) 132
Olmstead, Maj. Gen. Dawson 13(4) 347
"On-Line" Electronic Communication Encryption System 7(3) 280
Oshima Hiroshi, Ambassador 13(3) cover, 196ff

- P -

Pacelli, Msgr. Eugenio 20(1) cover
Painvain, Georges-Jean 6(2) cover, 119
Papal cipher, nineteenth century 17(2) 221
Paraset radio transceiver 4(3) 175
Pearl Harbor warnings, pseudo 3(3) cover, 168f
Pearson, Lester B. 13(4) 345
Perforated sheet 6(1) 16
Perkins, Tony 3(2) 70

Plett's Cipher Machine 9(2) 158
Plimpton 322 tablet 5(3) 167
Positive Personnel Identity device 8(1) 16ff
Powell, Dr. J. A. 15(2) cover
PPC 19 Printing Pocket Cipher Calculator cryptograph 4(4) 225
Preto, Paolo 20(2) 133
Purple cryptograph 18(4) 387
    American analog of 10(1) 40 : 15(4) 281

- R -

Ray, Sgt. Clarence L. 11(3) 132
Rees, David 3(2) 70
Reihenschieber cryptograph 20(2) 143, 145
Rejewski, Marian 6(1) 19 : 10(1) cover
Rerum Anglicarum title page 20(3) 231
Ribbentrop, Joachim von 13(3) 199
RIP-5 (Underwood) cryptograph 8(3) 217
Riverbank Laboratories 13(4) 329
    "cryptological travelogue" 17(1) 80ff
    memorial plaque 17(4) cover
    publications 17(1) 85
    staff, 1916 15(2) cover
Robinson, Sir Robert 3(2) 70
Roosevelt, Franklin D. 13(2) 123
Rotor encryption device, simple 13(3) 269
Rotors, wiring operation for 9(4) 302
Rowlett, Frank B.
    in 1979 4(1) 45
    in 1930 15(4) 279
    with Army Security Agency staff 19(2) cover
Rozycki, Jerzy 10(2) cover
Runic inscription 8(4) 305ff
Rushworth, Capt. Edward 11(3) 132
Russia, encrypted cable of 19(4) 339

- S -

Salmon, David A. 9(1) 23
Sayers, Lt. George H. 11(3) 132
Schenk, H. G. 3(2) 70
Schluesselzusatz SZ 40/42 10(4) 238
Schola stenographica 14(1) cover
Scott, Sir Percy, cryptograph of 8(3) 249ff
"Scrambler" software, effect of 15(1) 44
SEC-36 Hand-Held Crypto Device 8(2) 112
Seifert, Walther 9(1) 2
Selenus, Gustavus 7(3) 193

Selig, William N. 19(1) 26
Seward, William H. 19(4) 322
Shakespeare, William 19(1) 27
Shakespearean Ciphers Examined, The cipher message 20(2) 160f
Shall, Tom 8(3) 207
Shamir, Adi 7(1) 3f
Shulman, David 1(4) 417
Siemens high-speed telegraph 13(2) 102
    keyboard printing 13(2) 104
Siemens and Halske
        T22E Cipher Machine 6(4) cover, 289ff
        T25 Cipher Machine 13(2) cover, 105, 107
        T36 Cipher Machine 13(3) 106
        T52 Cipher Machine 7(3) 336ff : 11(3) 135 : 13(2) 108ff : 18(4) 386
SIGABA M-134C cryptograph 9(4) cover : 18(4) 388
SIGFOY cryptograph (See M-325 cryptograph)
Signal Corps, U.S.
        cipher disk 1(1) 69
        personnel at Newport News, 1918 18(1) cover
        Signal Security Detachment D 20(1) 59
Silver Star message ring 19(1) cover
Silvestri, Jacopo, *Opus novum* of 4(2) cover, 97ff
Simmons, Gus 11(1) 52
Sinkov, Abraham 19(2) cover
Slidex RT code 8(2) cover, 163
Smith, Elizebeth (*See* Friedman, Elizebeth Smith)
Soemmering's electrochemical telegraph 13(2) 100
Spencer, Capt. Herbert S. 12(2) 66
Spirit Pond No. 1 inscription 8(4) 311f
St. Louis (MO) Museum of Science and Natural History exhibit 5(4) 229f
Stamps, U.S. cryptographic commemorative 17(4) 381
Starlin, D. Glenn 19(2) cover
Starziczny, Josef Jacob Johannes 7(2) 133
State, War and Navy Departments Building, U.S. 9(1) 5
Stettinius, Edward 19(3) cover, 228, 234
Stevens, Capt. David H. 12(2) 66
Stimson, Henry L. 9(1) 33 : 12(2) 74 : 13(4) 335
Stone, Capt. Louis T. 11(3) 132
Strip cipher 1(1) 6f
Strong, Maj. Gen. George V. 13(2) 131
Sturgeon cryptograph 18(4) 386
Substitution-permutation networks 20(3) 259ff

- T -

T- series cryptographs (*See* Siemens & Halske)
Tester, Maj. Ralph P. 11(3) 132

Tiltman, Brigadier 15(3) 220
Toshiba LC-836MN cryptograph 4(2) 89
Toy cryptographs 5(2) cover, 78ff : 6(4) 369ff
Transvertex HC-9 cryptograph 13(3) 251ff
Treaty of Peace (1781) 2(1) 79f
Trist, Nicholas 7(4) cover, 297, 304
TRS-80 Data Privacy System 4(3) 181f
Truman, Pres. Harry S 19(3) 234
TST 1221 cryptograph 4(4) 226f
TST 1550 cryptograph 4(4) 228
TST 3226 cryptograph 4(4) 229
TST 3336 cryptograph 8(3) 278f
TST 9761 cryptograph 8(3) 281
Tunny cryptograph 18(4) 386
Tuthill, Richard S. 19(1) 29
Tyler, T. H. 3(2) 70
TYPEX cryptograph 7(2) 147ff : 18(4) 388

- U -

U-Boat U-33, sketch of sinking of 17(3) 241
U-Boat U-110
    clearing deck of 17(3) cover
    crew of 17(3) 242
Uhr device 9(1) 48
U.S. Navy Cipher Box Mark I 9(1) 40
    Mark II 6(1) 89
Unidentified cryptographs 5(1) cover
United Nations
    founding session 19(3) cover
    U.S. signs charter of 19(3) 234
United States State Dept. cipher of 1867 19(4) 343
USS Lexington 7(2) 97ff
USS Shaw 15(4) cover

- V -

Van Deman, Col. Ralph H. 9(1) 14
Vigenère line cipher 1(3) 262f
Vota, Gianni 20(2) 133
Voynich manuscript 15(3) 212f : 19(1) 3f
    symbol transcription 19(1) 9, 11ff

- W -

Wachter, 9(1) 2
Wadsworth, Decius, cipher device of 6(3) 238ff
Wallace Clement Sabine Laboratory of Acoustics 17(1) 82
Waltemath, Werner 7(2) 137

Wells, Kate 15(2) cover
Wenger Memorial Corner 8(3) 209
Wheatstone disk 9(2) 156
Danish 8(1) cover
Whitaker, Paul 11(3) 130, 133
Willson, Lt. Cmdr. Russell 6(1) 85
Wood, J. E. 19(2) cover
Woodfin, Lt. Paul B. 12(2) 66

- Y -

Yardley, Herbert O. 6(2) cover, 119 : 12(2) cover
in June 1917 13(4) cover
N.Y. headquarters of 9(1) 27

- Z -

Zygalski, Henryk 10(2) cover

CRYPTOLOGIA Annual Undergraduate

Paper Competition in Cryptology

We announce this contest to encourage the study of all aspects of cryptology in the undergraduate curricula.

FIRST PRIZE: Three hundred dollars

Closing date: 1 January

The topic may be in any area of cryptology – technical, historical, and literary subjects. Papers must be no more than 20 typewritten pages in length, double spaced and fully referenced. Four copies must be submitted. Authors should keep one copy. Papers are to be original works which have not been published previously.

The winner will be announced on 1 April with publication of the winning paper in the July or October issue of *CRYPTOLOGIA*. The papers will be judged by the editors of *CRYPTOLOGIA*.

The competition is underwritten by a generous gift from Boshra H. Makar, Professor of Mathematics, Saint Peter's College, Jersey City NJ USA.

Inquiries, submissions, and subscription information: *CRYPTOLOGIA*, Department of Mathematical Sciences, United States Military Academy, West Point NY 10996 USA.

SUBSCRIPTION INFORMATION

CRYPTOLOGIA is a quarterly journal with issue dates of January, April, July and October. The four journals issued each year constitute one volume. The January 1997 issue is Volume XXI, Number 1.

Subscription prices (US dollars): $44.00 per year for US, $48.00 per year for non-US. A subscription begins with the current issue as of date of receipt of request unless otherwise instructed. Most back issues from January 1979, Volume 3, Number 1 to current issue are available from the Editorial Offices for $12.00 in US and $12.00 non-US. Specify volume, number and issue date when ordering. Write for prospectus giving table of contents for issues.

All orders, checks and inquiries should be sent to: **CRYPTOLOGIA**, Department of Mathematical Sciences, United States Military Academy, West Point NY 10996-9902 USA. Make subscription checks payable to **CRYPTOLOGIA**.

Note to subscribers: The number in the upper right corner of your address label indicates the last issue of your subscription. The right hand (single) digit indicates the Number and the remaining left hand digits indicates the Volume of the last issue in your subscription. Renew or extend your subscription now.

CALL FOR PAPERS

CRYPTOLOGIA welcomes articles on all aspects of cryptology. We especially seek articles concerning mathematics and computer related aspects of cryptology. Articles describing new cryptosystems and methods of cryptanalysis of cryptosystems, historical articles, educational materials, memoirs and translations are all sought.

Send mathematical and computer related papers to Brian J. Winkel, Department of Mathematical Sciences, United States Military Academy, West Point NY 10996-9902 USA.

Send papers, inquiries and letters concerning cryptographic machines, devices, and equipment to Louis Kruh, 17 Alfred Road West, Merrick NY 11566 USA.

Send historical and other non-technical articles to David Kahn, 120 Wooleys Lane, Great Neck NY 11023 USA.

Any paper may also be sent to the Editorial Office, **CRYPTOLOGIA**, Department of Mathematical Sciences, United States Military Academy, West Point NY 10996-9902 USA.

Three copies should be submitted and one should be kept by the author as a protection against loss. Manuscripts should be legibly typewritten, or reproduced from typewritten or computer printer copy and double-spaced with wide margins. All papers should have an Abstract and a Keyword list after the title and author. In addition there should be a short, paragraph form, biographical sketch of the author(s) at the end of the paper. Editorial style follows the University of Chicago Press *Manual of Style*. Please adhere to the footnoting style found in **CRYPTOLOGIA** articles. Diagrams should be done in black, suitable for off-set photo reproduction, and clearly labeled with a legend. Photographs should be clear and glossy. Indicate whether or not the photo print enclosed is to be returned.

While the ultimate responsibility for the accuracy of the material presented lies with the author(s), the Editorial Office will do its best, through the refereeing and the consultation process, to help insure correctness.

Authors will receive fifty reprints of their article and two copies of the issue in which their article appears.